

# Product Datasheet

## ETV6/Tel Antibody - BSA Free

### NBP1-80695

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-80695**

ETV6/Tel Antibody - BSA Free

**Product Information**

|                      |                                                                                                                  |
|----------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>     | 0.1 ml                                                                                                           |
| <b>Concentration</b> | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>       | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                           |
| <b>Clonality</b>     | Polyclonal                                                                                                       |
| <b>Preservative</b>  | 0.02% Sodium Azide                                                                                               |
| <b>Isotype</b>       | IgG                                                                                                              |
| <b>Purity</b>        | Immunogen affinity purified                                                                                      |
| <b>Buffer</b>        | PBS (pH 7.2) and 40% Glycerol                                                                                    |

**Product Description**

|                         |                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>      | Novus Biologicals Rabbit ETV6/Tel Antibody - BSA Free (NBP1-80695) is a polyclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-ETV6/Tel Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>             | Rabbit                                                                                                                                                                                                                                                                 |
| <b>Gene ID</b>          | 2120                                                                                                                                                                                                                                                                   |
| <b>Gene Symbol</b>      | ETV6                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                  |
| <b>Reactivity Notes</b> | Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (87%).                                                                                                                                                                  |
| <b>Immunogen</b>        | This antibody was developed against Recombinant Protein corresponding to amino acids:<br>NGKALLLLTKEDFRYRSPHSGDVLVELLQHILKQRKPRILFSPFFHPGNSIHTQP<br>EVILHQNHEDNVCVQRTPRPSVDNVHHNPPTIELLHRSRSPITTNHRPSPDPEQ<br>RPLRSPLDNMIR                                             |

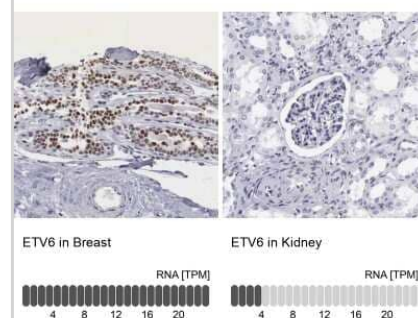
**Product Application Details**

|                              |                                                                                                                                                                                                                               |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation-exo-Seq                                                                              |
| <b>Recommended Dilutions</b> | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Chromatin Immunoprecipitation-exo-Seq 1-10µg per reaction |
| <b>Application Notes</b>     | For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.                                                                                                                 |

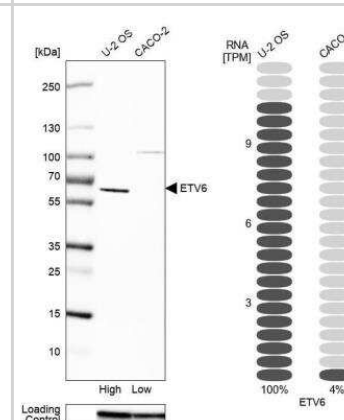


## Images

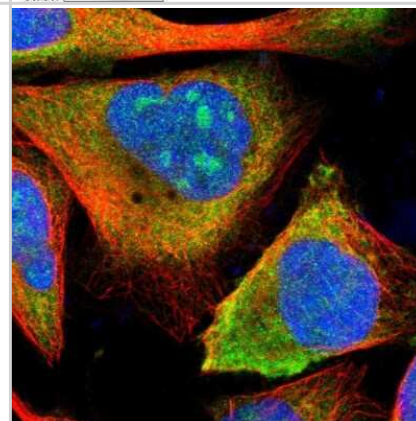
Immunohistochemistry-Paraffin: ETV6/Tel Antibody [NBP1-80695] - Staining in human breast and kidney tissues using anti-ETV6 antibody. Corresponding ETV6 RNA-seq data are presented for the same tissues.



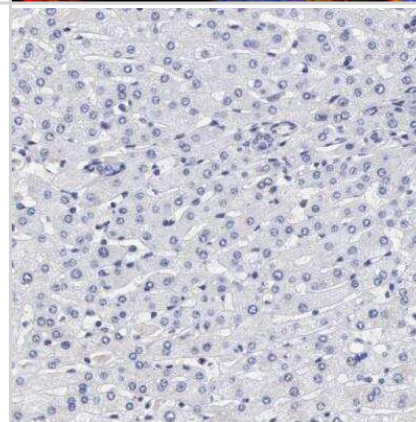
Western Blot: ETV6/Tel Antibody [NBP1-80695] - Analysis in human cell lines U2OS and Caco-2. Corresponding RNA-seq data are presented for the same cell lines. Loading control: Anti-GAPDH.



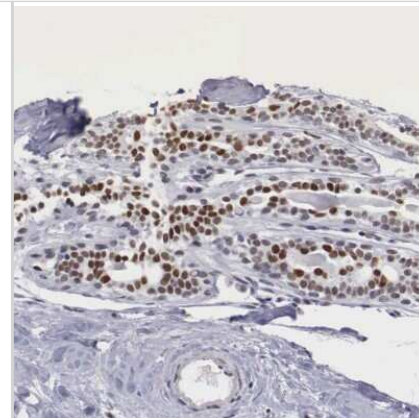
Immunocytochemistry/Immunofluorescence: ETV6/Tel Antibody [NBP1-80695] - Staining of human cell line U-2 OS shows localization to nucleoli & cytosol. Antibody staining is shown in green.



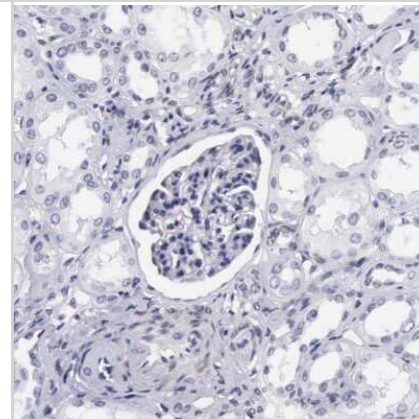
Immunohistochemistry-Paraffin: ETV6/Tel Antibody [NBP1-80695] - Staining of human liver shows no positivity in hepatocytes as expected.



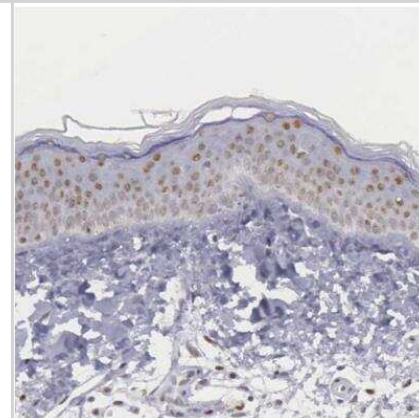
Immunohistochemistry-Paraffin: ETV6/Tel Antibody [NBP1-80695] - Staining of human breast shows high expression.



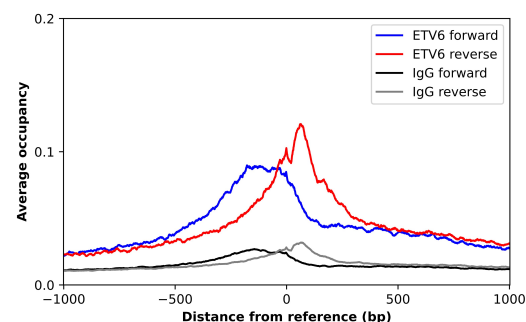
Immunohistochemistry-Paraffin: ETV6/Tel Antibody [NBP1-80695] - Staining of human kidney shows low expression as expected.



Immunohistochemistry-Paraffin: ETV6/Tel Antibody [NBP1-80695] - Staining of human skin shows weak nuclear positivity in keratinocytes.



ChIP-Exo-Seq composite graph for Anti-ETV6 (NBP1-80695) tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.



## Publications

Villar J, Cros A, De Juan A et al. ETV3 and ETV6 enable monocyte differentiation into dendritic cells by repressing macrophage fate commitment Nature immunology 2023-01-01 [PMID: 36543959] (WB, FLOW, Human)

Romero Nunez E, Blanco Ayala T, Vazquez Cervantes GI et al. Pregestational Exposure to *T. gondii* Produces Maternal Antibodies That Recognize Fetal Brain Mimotopes and Induces Neurochemical and Behavioral Dysfunction in the Offspring Cells 2022-11-29 [PMID: 36497079] (ELISA, Rat)

Li T, Li L, Peng R et al. Abrocitinib Attenuates Microglia-Mediated Neuroinflammation after Traumatic Brain Injury via Inhibiting the JAK1/STAT1/NF- $\kappa$ B Pathway Cells 2022-11-13 [PMID: 36429017] (WB, Mouse)

Leila Noetzli, Richard W Lo, Alisa B Lee-Sherick et al. Germline mutations in ETV6 are associated with thrombocytopenia, red cell macrocytosis and predisposition to lymphoblastic leukemia. Nature Genetics 2015-03-25 [PMID: 25807284] (IF/IHC, Human)

Ek S, Andreasson U, Hober S et al. From gene expression analysis to tissue microarrays: a rational approach to identify therapeutic and diagnostic targets in lymphoid malignancies. Mol Cell Proteomics 2006-06-01 [PMID: 16524965]





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP1-80695**

|               |                                                                  |
|---------------|------------------------------------------------------------------|
| NB820-59319   | Human Appendix Whole Tissue Lysate (Adult Whole Liver Cirrhosis) |
| NBP1-80695PEP | ETV6/Tel Recombinant Protein Antigen                             |
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]                    |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]              |
| NBP2-24891    | Rabbit IgG Isotype Control                                       |

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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