

# Product Datasheet

## Annexin A10 Antibody - BSA Free NBP1-90156

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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**NBP1-90156**

Annexin A10 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  |
| <b>Target Molecular Weight</b> | 37 kDa   |

**Product Description**

|                    |  |
|--------------------|--|
| <b>Host</b>        | Rabbit   |
| <b>Gene ID</b>     | 11199  |
| <b>Gene Symbol</b> | ANXA10   |
| <b>Species</b>     | Human  |
| <b>Immunogen</b>   | This antibody was developed against Recombinant Protein corresponding to amino acids:<br>PPLYDAHELWHAMKGVGTDENCLIEILASRTNGEIFQMREAYCLQYSNNLQEDI<br>YSETSGHFRDTLMNLVQGTREEGYTDPAMAAQDAMVLWEACQKKTGEHKTM<br>LQMILCNK |

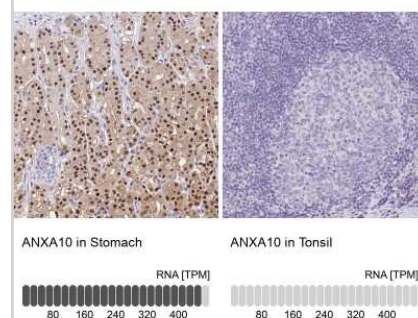
**Product Application Details**

|                              |   |
|------------------------------|---|
| <b>Applications</b>          | Western Blot, Simple Western, Immunohistochemistry, Immunohistochemistry-Paraffin   |
| <b>Recommended Dilutions</b> | Western Blot 0.04-0.4 ug/ml, Simple Western 1:20, Immunohistochemistry 1:1000 - 1:2500, Immunohistochemistry-Paraffin 1:1000 - 1:2500   |
| <b>Application Notes</b>     | For IHC-Paraffin, HIER pH 6 retrieval is recommended.<br><br>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point.<br>See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in U-251MG sp, separated by Size, antibody dilution of 1:20, apparent MW was 43 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue. |

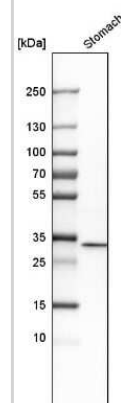


## Images

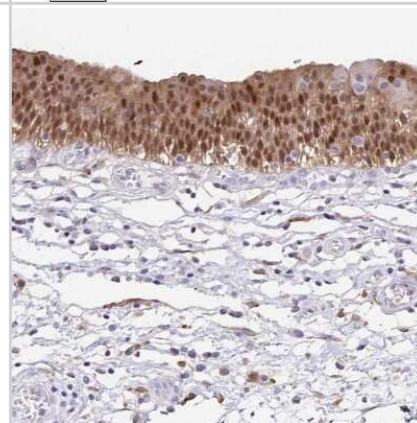
Immunohistochemistry-Paraffin: Annexin A10 Antibody [NBP1-90156] - Staining in human stomach and tonsil tissues . Corresponding ANXA10 RNA-seq data are presented for the same tissues.



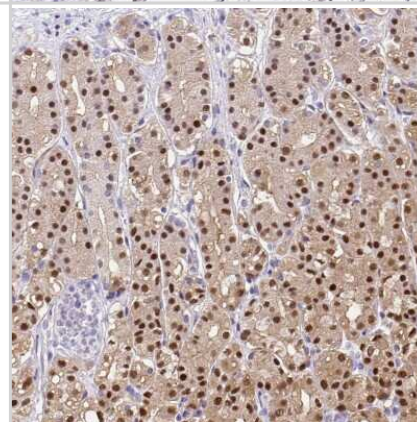
Western Blot: Annexin A10 Antibody [NBP1-90156] - Analysis in human stomach tissue.



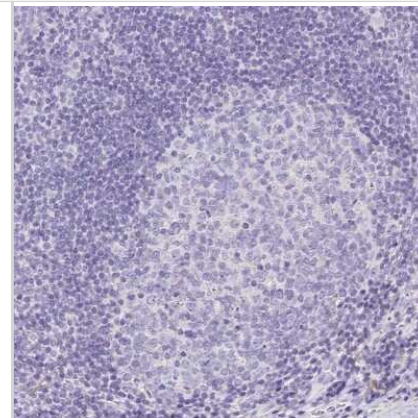
Immunohistochemistry-Paraffin: Annexin A10 Antibody [NBP1-90156] - Staining of human urinary bladder shows moderate nuclear positivity in urothelial cells.



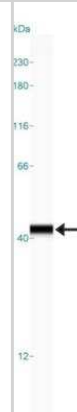
Immunohistochemistry-Paraffin: Annexin A10 Antibody [NBP1-90156] - Staining of human stomach shows moderate to strong nuclear positivity in glandular cells.



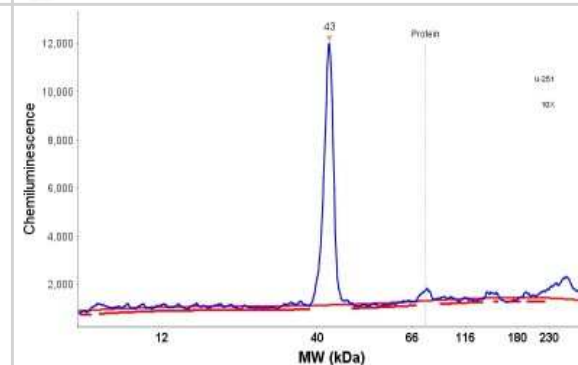
Immunohistochemistry-Paraffin: Annexin A10 Antibody [NBP1-90156] - Staining of human tonsil shows no positivity as expected.



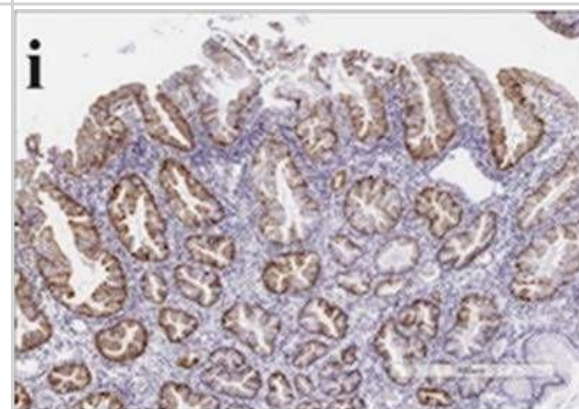
Simple Western: Annexin A10 Antibody [NBP1-90156] - Simple Western lane view shows a specific band for ANXA10 in 0.2 mg/ml of U-251MG sp lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: Annexin A10 Antibody [NBP1-90156] - Electropherogram image(s) of corresponding Simple Western lane view. Annexin A10 antibody was used at 1:20 dilution on RT-4 and U-251MG lysate(s).

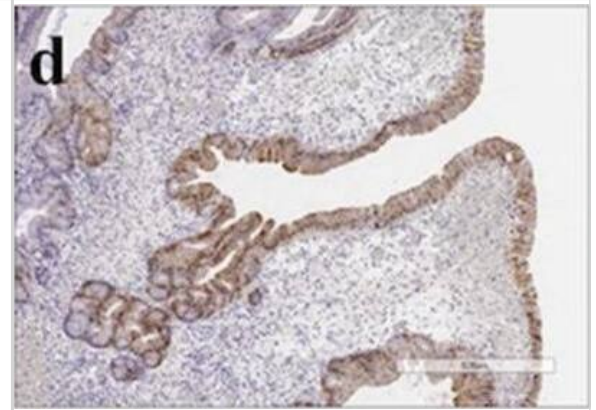


Immunohistochemistry: Annexin A10 Antibody [NBP1-90156] - Histological & immunohistochemical staining of type A2 TSAs. a HE staining. b A high-power view showing the TSA component (red box in Fig. 2a). c A high-power view showing the precursor component (blue box in Fig. 2a). d Positive for annexin A10 expression. e Positive for MUC2 expression. f Positive for MUC5AC expression. g Negative for MUC6 expression. h Negative for CD10 expression. i Positive for annexin A10 expression. j Positive for MUC2 expression. k Positive for MUC5AC expression. l Negative for MUC6 expression. m Negative for CD10 expression Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32535664>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.

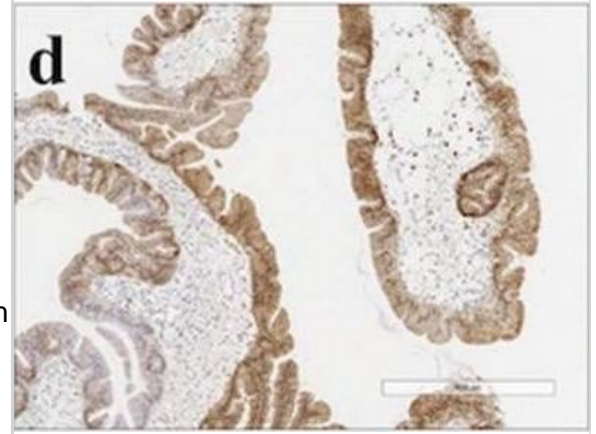




Immunohistochemistry: Annexin A10 Antibody [NBP1-90156] - Histological & immunohistochemical staining of type A2 TSAs. a HE staining. b A high-power view showing the TSA component (red box in Fig. 2a). c A high-power view showing the precursor component (blue box in Fig. 2a). d Positive for annexin A10 expression. e Positive for MUC2 expression. f Positive for MUC5AC expression. g Negative for MUC6 expression. h Negative for CD10 expression. i Positive for annexin A10 expression. j Positive for MUC2 expression. k Positive for MUC5AC expression. l Negative for MUC6 expression. m Negative for CD10 expression Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32535664>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Immunohistochemistry: Annexin A10 Antibody [NBP1-90156] - Histological & immunohistochemical staining of type A1 TSAs. a HE staining. b A high-power view showing the TSA component (red box in Fig. 1a). c A high-power view showing the precursor component (blue box in Fig. 1a). d Positive for annexin A10 expression. e Positive for MUC2 expression. f Partially positive for MUC5AC expression. g Negative for MUC6 expression. h Negative for CD10 expression. i Negative for annexin A10 expression. j Positive for MUC2 expression. k Positive for MUC5AC expression. l Negative for MUC6 expression. m Negative for CD10 expression Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32535664>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Herrera-López EE, Guerrero-Escalera D, Aguirre-Maldonado I et al. Annexins A2 and A5 are potential early biomarkers of hepatocarcinogenesis Scientific reports 2023-04-28 [PMID: 37117324]

Ishikawa A, Kuraoka K, Zaitzu J et al. Loss of Annexin A10 Expression Is Associated with Poor Prognosis in Early Gastric Cancer ACTA HISTOCHEMICA ET CYTOCHEMICA 2020-10-29 [PMID: 33177783] (Immunohistochemistry, Western Blot, Immunohistochemistry-Paraffin)

Isidro R, Abukhiran I, Dunseth C et al. Strong Annexin A10 Expression Supports a Pancreatic Primary and Combined Annexin A10, Claudin 18, and SOX2 Expression Supports an Esophagogastric Origin in Carcinomas of Unknown Primary The American Journal of Surgical Pathology 2022-01-01 [PMID: 36730833]

Kobayashi G, Hayashi T, Sentani K et al. ANXA10 Expression Is Inversely Associated with Tumor Stage, Grade, and TP53 Expression in Upper and Lower Urothelial Carcinoma Pathobiology : journal of immunopathology, molecular and cellular biology 2022-07-01 [PMID: 35780773]

Ishikawa A, Kuraoka K, Zaitzu J et al. Transcriptomic Analysis of Annexin A10 and Chemosensitivity in Gastric Adenocarcinoma Cells Anticancer research 2022-04-01 [PMID: 35346989] (IF/IHC, Human)

Chezar K, Minoo P Appendiceal sessile serrated lesions are distinct from their right-sided colonic counterparts and may be precursors for appendiceal mucinous neoplasms Human Pathology 2022-02-01 [PMID: 35121004] (IHC-P, Human)

Tanaka, Y, Eizuka, M Et al. Traditional serrated adenoma has two distinct genetic pathways for molecular tumorigenesis with potential neoplastic progression. J Gastroenterol 2020-09-01 [PMID: 32535664] (WB, Mouse)

### Details:

Citation using the HRP format of this antibody.

Ishikawa A, Kuraoka K, Zaitzu J Et al. High Annexin A10 expression is correlated with poor prognosis in pancreatic ductal adenocarcinoma Histology and histopathology 2021-11-25 [PMID: 34821375] (IHC-P, Human)

Singh H, Ha K, Hornick JL et al. Hybrid stomach-intestinal chromatin states underlie human Barrett's metaplasia Gastroenterology 2021-06-03 [PMID: 34090884]

Ueno T, Miura Y, Osawa H et al. Duodenal sessile serrated adenoma/polyp with characteristic endoscopic and pathologic features Clinical journal of gastroenterology 2021-03-01 [PMID: 33646513]

Ishikawa A, Kuraoka K, Zaitzu J et al. Annexin A10 Expression Is Associated With Poor Prognosis in Small Bowel Adenocarcinoma Anticancer research 2021-03-01 [PMID: 33788726] (IHC-P, Human)

Macaron C, Lopez R et al. Expression of Annexin A10 in Serrated Polyps Predicts the Development of Metachronous Serrated Polyps. Clin Transl Gastroenterol 2016-01-12 [PMID: 27906163] (IF/IHC, Human)

More publications at <http://www.novusbio.com/NBP1-90156>





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### **Products Related to NBP1-90156**

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|               |   |
|---------------|---|
| NBP1-90156PEP | Annexin A10 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                          |

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### **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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