

# Product Datasheet

## Cytokeratin 7 Antibody

### NBP1-33104

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP1-33104****Cytokeratin 7 Antibody**

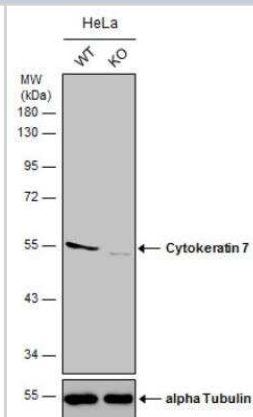
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS (pH 7), 20% Glycerol, 1% BSA
<b>Target Molecular Weight</b>	51 kDa

<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	3855
<b>Gene Symbol</b>	KRT7
<b>Species</b>	Human
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (88%), Rat (88%), Rhesus Macaque, Bovine (89%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human Cytokeratin 7. The exact sequence is proprietary.

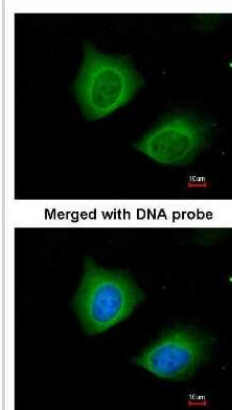
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot 1:5000-1:20000, Immunohistochemistry 10 - 1:500, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen 1:100-1:1000, Knockout Validated

**Images**

Knockout Validated: Cytokeratin 7 Antibody [NBP1-33104] - Wild-type (WT) and Cytokeratin 7 knockout (KO) HeLa cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Cytokeratin 7 antibody [N1C2]. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



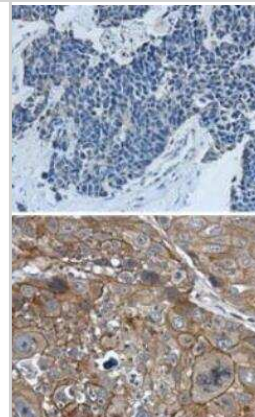
Immunocytochemistry/Immunofluorescence: Cytokeratin 7 Antibody [NBP1-33104] - Analysis of paraformaldehyde-fixed HeLa, using Cytokeratin.



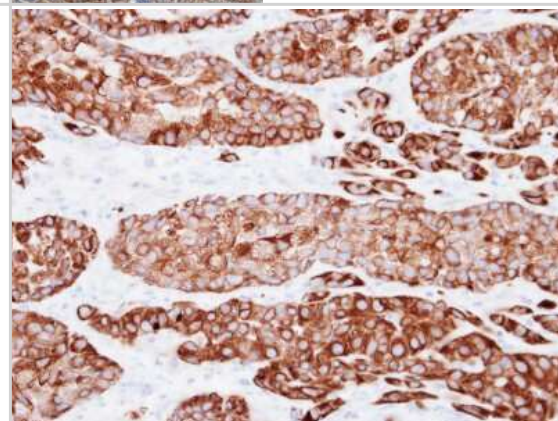
Immunohistochemistry: Cytokeratin 7 Antibody [NBP1-33104] - Immunohistochemical characterization of cytokeratin 7 in human small cell lung cancer (SCLC) and non-small cell lung cancer (NSCLC) specimens.

Sample: Paraffin-embedded human SCLC (upper panel) and NSCLC (lower panel).

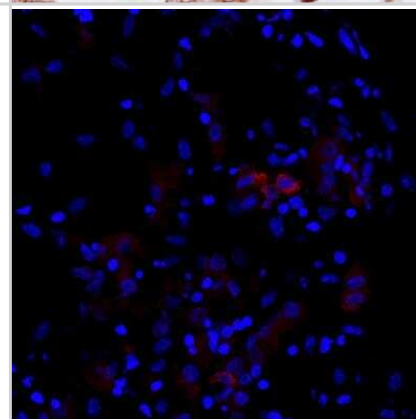
The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6) for 15 mins. The section was then incubated with primary antibody overnight at 4C and detected using an HRP conjugated avidin-biotin-peroxidase Complex system. DAB was used as the chromogen and counterstained with haematoxylin.



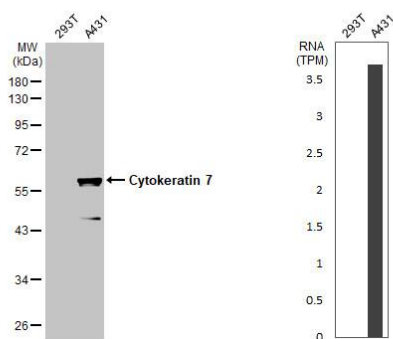
Immunohistochemistry-Paraffin: Cytokeratin 7 Antibody [NBP1-33104] - Paraffin-embedded A549 xenograft, using antibody at 1:500 dilution.



Immunohistochemistry-Frozen: Cytokeratin 7 Antibody [NBP1-33104] - Analysis of human placenta (paraformaldehyde-fixed frozen sections), using antibody at 1:200 dilution.



Western Blot: Cytokeratin 7 Antibody [NBP1-33104] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Cytokeratin 7 antibody [N1C2] diluted at 1:20000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.





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### **Products Related to NBP1-33104**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00003855-P01-10ug	Recombinant Human Cytokeratin 7 GST (N-Term) Protein

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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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