

# Product Datasheet

## Cytokeratin 4 Antibody (SN74-03) NBP2-67706

Unit Size: 100 ul

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

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**NBP2-67706**

Cytokeratin 4 Antibody (SN74-03)

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	SN74-03
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	TBS (pH7.4), 0.05% BSA, 40% Glycerol

**Product Description**

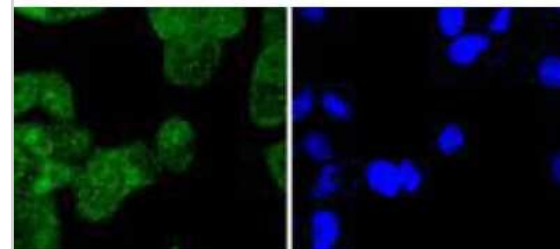
<b>Description</b>	Novus Biologicals Rabbit Cytokeratin 4 Antibody (SN74-03) (NBP2-67706) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	3851
<b>Gene Symbol</b>	KRT4
<b>Species</b>	Human
<b>Immunogen</b>	Recombinant protein within Human Cytokeratin 4 aa 395-520 / 520. (SwissProt: P19013 Human)

**Product Application Details**

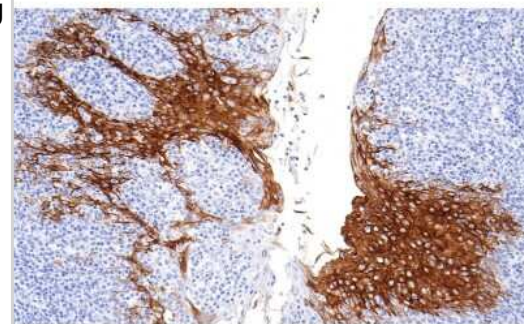
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500-1:1000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunoprecipitation, Immunohistochemistry-Paraffin 1:100-1:500

**Images**

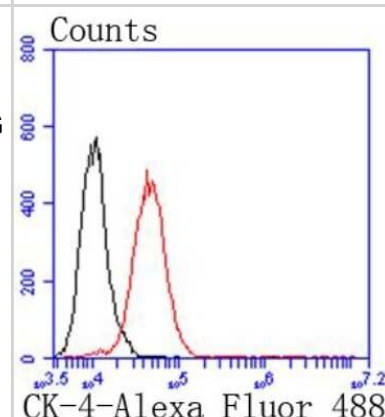
Immunocytochemistry/Immunofluorescence: Cytokeratin 4 Antibody (SN74-03) [NBP2-67706] - Staining of Cytokeratin 4 in Hela cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 10% negative goat serum for 15 minutes at room temperature. Cells were probed with the primary antibody (1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor(R)488 conjugate-Goat anti-Rabbit IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue).



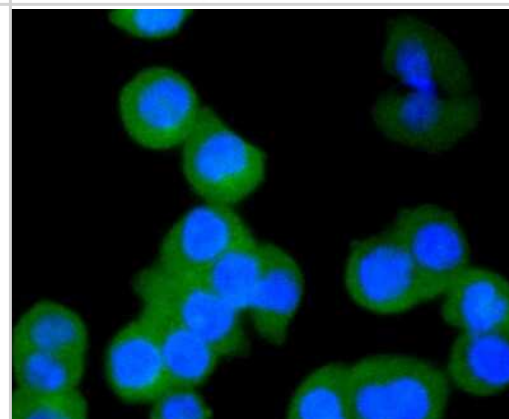
**Immunohistochemistry-Paraffin: Cytokeratin 4 Antibody (SN74-03) [NBP2-67706]** - Analysis of paraffin-embedded human tonsil tissue using anti-Cytokeratin 4 antibody. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 20 minutes. The tissues were blocked in 1% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody 1/400 for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



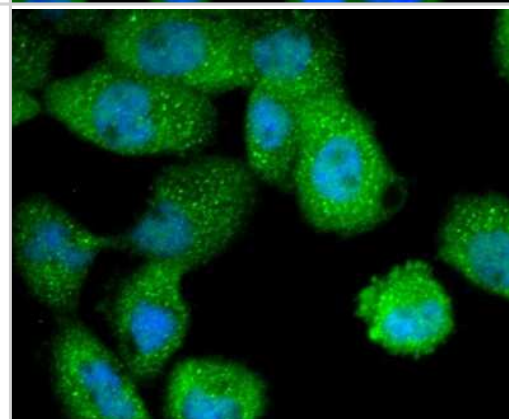
**Flow Cytometry: Cytokeratin 4 Antibody (SN74-03) [NBP2-67706]** - Analysis of A431 cells with Cytokeratin 4 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



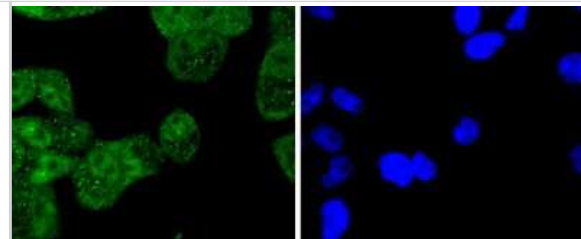
**Immunocytochemistry/Immunofluorescence: Cytokeratin 4 Antibody (SN74-03) [NBP2-67706]** - Staining Cytokeratin 4 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



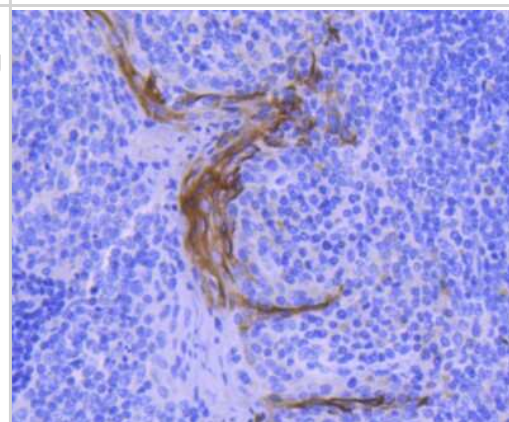
**Immunocytochemistry/Immunofluorescence: Cytokeratin 4 Antibody (SN74-03) [NBP2-67706]** - Staining Cytokeratin 4 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



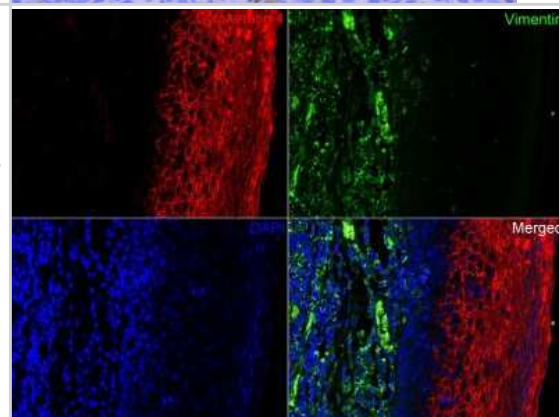
Immunocytochemistry/Immunofluorescence: Cytokeratin 4 Antibody (SN74-03) [NBP2-67706] - Staining Cytokeratin 4 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



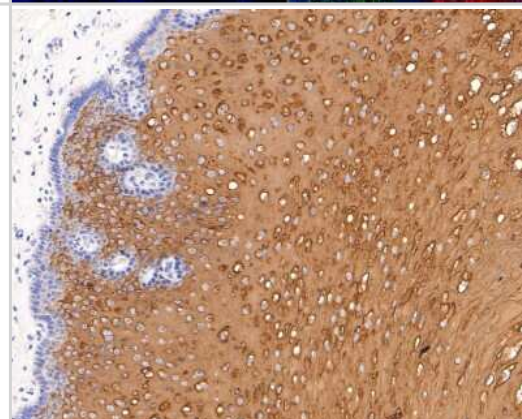
Immunohistochemistry-Paraffin: Cytokeratin 4 Antibody (SN74-03) [NBP2-67706] - Analysis of paraffin-embedded human tonsil tissue using anti-Cytokeratin 4 antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Cytokeratin 4 Antibody (SN74-03) [NBP2-67706] - Immunofluorescence analysis of paraffin-embedded human skin tissue labeling Cytokeratin 4 (washed with PBS. And then probed with the primary antibodies Cytokeratin 4 ( red) at 1/200 dilution and Vimentin (green) at 1/200 dilution at +4 overnight, washed with PBS. Goat Anti-Rabbit IgG H&L (iFluor(TM) 594) and Goat Anti-Mouse IgG H&L (iFluor(TM) 488) were used as the secondary antibodies at 1/1,000 dilution. Nuclei were counterstained with DAPI (blue).



Immunohistochemistry-Paraffin: Cytokeratin 4 Antibody (SN74-03) [NBP2-67706] - Analysis of paraffin-embedded human esophagus tissue using anti-Cytokeratin 4 antibody. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 20 minutes. The tissues were blocked in 1% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody 1/400) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.







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### **Products Related to NBP2-67706**

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00003851-P01-10ug	Recombinant Human Cytokeratin 4 GST (N-Term) Protein

### **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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