

# Product Datasheet

## Keap1 Antibody - BSA Free

### NBP1-83106

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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**NBP1-83106**

Keap1 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**

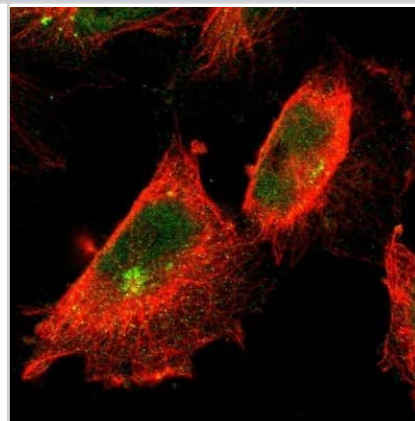
<b>Host</b>	Rabbit
<b>Gene ID</b>	9817
<b>Gene Symbol</b>	KEAP1
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 30632210).
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: MYASTECKAEVTPSQHGNNRTFSYTLTDHTKQAFGIMNELRLSQQLCDVTLQVK YQDAPAAQFMAHKVVLASSSPVFKAMFTNGLREQGMEVVSIIEGIHPKVM

**Product Application Details**

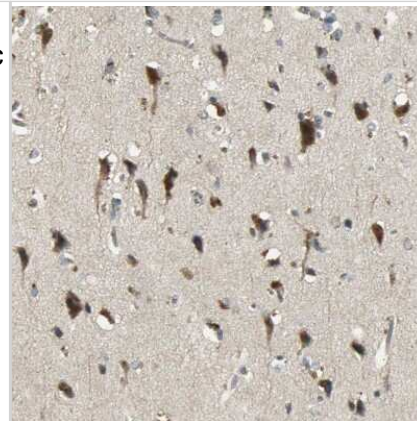
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot Reported in scientific literature (PMID: 30632210)., Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

Immunocytochemistry/Immunofluorescence: Keap1 Antibody [NBP1-83106] - Staining of human cell line U-251 MG shows localization to nucleoplasm, cytosol & microtubule organizing center. Antibody staining is shown in green.



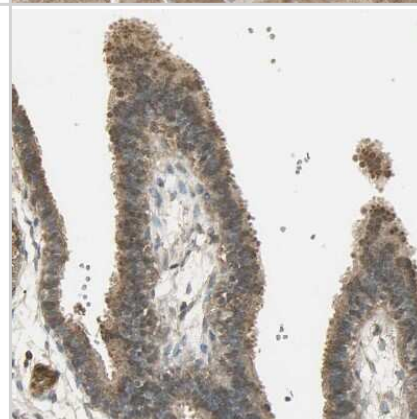
Immunohistochemistry-Paraffin: Keap1 Antibody [NBP1-83106] - Staining of human cerebral cortex shows moderate to strong cytoplasmic positivity in neurons.



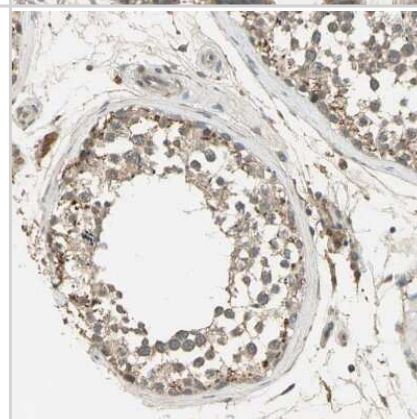
Immunohistochemistry-Paraffin: Keap1 Antibody [NBP1-83106] - Staining of human skeletal muscle shows weak to moderate cytoplasmic positivity in myocytes.



Immunohistochemistry-Paraffin: Keap1 Antibody [NBP1-83106] - Staining of human fallopian tube shows moderate to strong cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: Keap1 Antibody [NBP1-83106] - Staining of human testis shows weak to moderate cytoplasmic positivity in cells in seminiferous ducts.



## Publications

Rai D, Tripathi AK, Sardar A et al. A novel BMP2 secretagogue ameliorates glucocorticoid induced oxidative stress in osteoblasts by activating NRF2 dependent survival while promoting Wnt/ beta-catenin mediated osteogenesis Free radical biology & medicine 2022-08-10 [PMID: 35963563] (WB, Mouse)

Zhu Z, Liang W, Chen Z Et al. Mitoquinone Protects Podocytes from Angiotensin II-Induced Mitochondrial Dysfunction and Injury via the Keap1-Nrf2 Signaling Pathway Oxidative medicine and cellular longevity 2021-08-13 [PMID: 34426758]

Han J, Shi X, Du Y et al. Schisandrin C targets Keap1 and attenuates oxidative stress by activating Nrf2 pathway in Ang II-challenged vascular endothelium. Phytother Res 2019-01-10 [PMID: 30632210] (WB, Mouse)





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### **Products Related to NBP1-83106**

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NBP1-83106PEP	Keap1 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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