

Product Datasheet

OPA1 Antibody - BSA Free NBP2-34206

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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NBP2-34206

OPA1 Antibody - BSA Free

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

Product Description	
Host	Rabbit
Gene ID	4976
Gene Symbol	OPA1
Species	Human, Mouse
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:32269244).
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: KEGCTVSPETISLNVKGPGLQRMVLVDLPGVINTVTSGMAPDTKETIFSISKAYM QNPNAIILCIQDGSVDAERSIVTDLVSQMDPHG

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot Reported in scientific literature (PMID:32269244), Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

Immunohistochemistry-Paraffin: OPA1 Antibody [NBP2-34206] - Analysis in human cerebral cortex and pancreas tissues . Corresponding OPA1 RNA-seq data are presented for the same tissues.



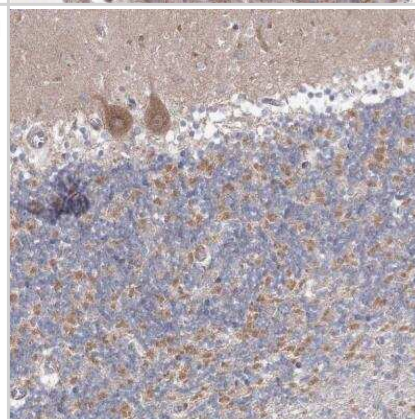
Immunocytochemistry/Immunofluorescence: OPA1 Antibody [NBP2-34206] - Staining of human cell line U-2 OS shows localization to nucleoplasm & mitochondria. Antibody staining is shown in green.



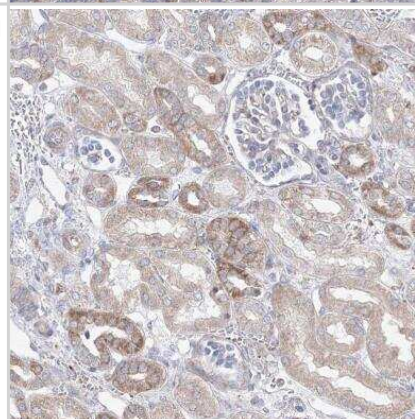
Immunohistochemistry-Paraffin: OPA1 Antibody [NBP2-34206] - Staining of human pancreas shows weak to moderate cytoplasmic positivity in exocrine glandular cells.



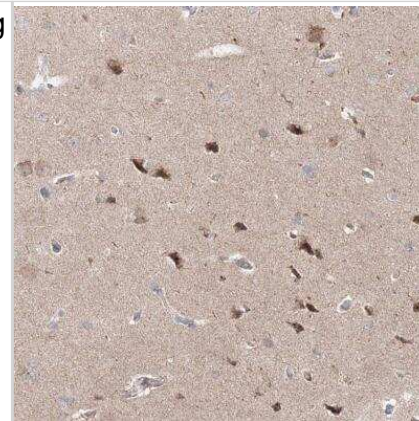
Immunohistochemistry-Paraffin: OPA1 Antibody [NBP2-34206] - Staining of human cerebellum shows weak to moderate cytoplasmic positivity in Purkinje cells.



Immunohistochemistry-Paraffin: OPA1 Antibody [NBP2-34206] - Staining of human kidney shows weak to moderate cytoplasmic positivity in cells in tubules.



Immunohistochemistry-Paraffin: OPA1 Antibody [NBP2-34206] - Staining of human cerebral cortex shows moderate to strong cytoplasmic positivity in neurons.



Publications

Zhao H, Lewellen BM, Wilson RJ et al. Long-term voluntary running prevents the onset of symptomatic Friedreich's ataxia in mice Sci Rep 2020-04-08 [PMID: 32269244] (WB, Mouse)



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Products Related to NBP2-34206

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB110-55290PEP	OPA1 Antibody Blocking Peptide

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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