

Product Datasheet

Calretinin Antibody - BSA Free

NBP1-88221

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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Publications: 2

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NBP1-88221

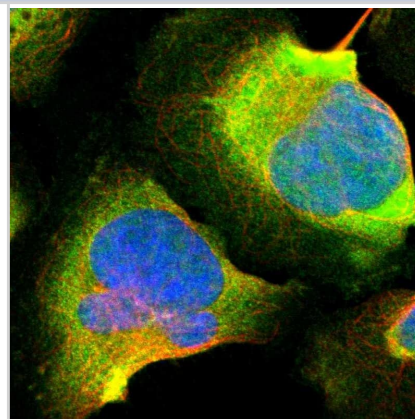
Calretinin Antibody - BSA Free

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	
Description	Novus Biologicals Rabbit Calretinin Antibody - BSA Free (NBP1-88221) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Calretinin Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	794
Gene Symbol	CALB2
Species	Human
Marker	Mesothelial Cell Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LKGFLSDLLKKANRPYDEPKLQEYQTILRMFDLNGDGKLGLSEMSRLLPVQE NLLKFQGMKLTSEEFNAIFTFYDKDRSGYIDEHELDALLKDLYEKNKKEMNIQQ LTNYRKSVMSLAEGKLYRKDLEIV
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry Free-Floating, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:5000 - 1:10000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:5000 - 1:10000, Immunohistochemistry Free-Floating Reported in scientific literature (PMID: 31481399), Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

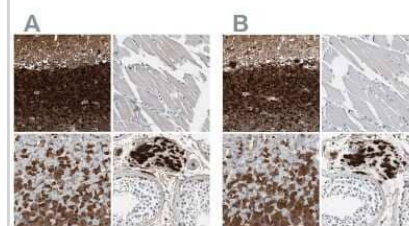


Images

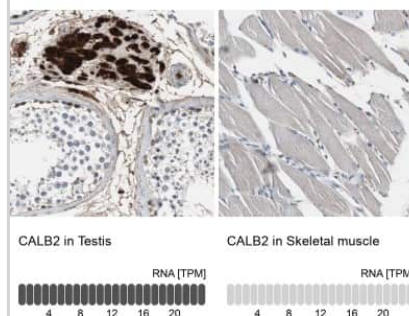
Staining of human cell line U-2 OS shows localization to cytosol.



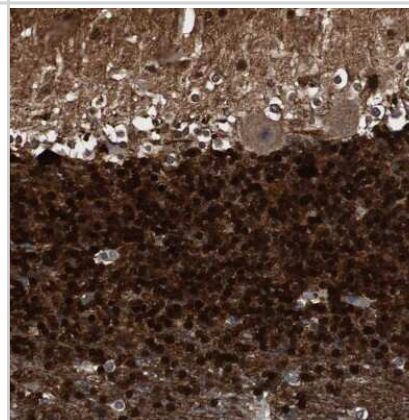
Immunohistochemistry-Paraffin: Calretinin Antibody [NBP1-88221] - Staining of human cerebellum, skeletal muscle, stomach and testis using Anti-CALB2 antibody NBP1-88221 (A) shows similar protein distribution across tissues to independent antibody NBP1-88220 (B).



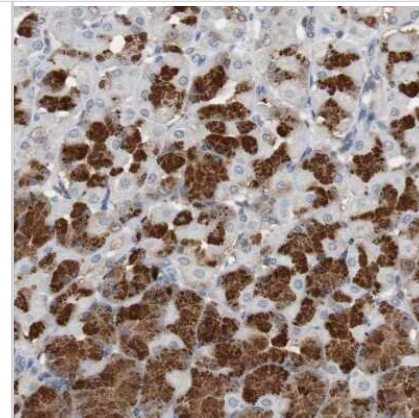
Immunohistochemistry-Paraffin: Calretinin Antibody [NBP1-88221] - Staining in human testis and skeletal muscle tissues using NBP1-88221 antibody. Corresponding CALB2 RNA-seq data are presented for the same tissues.



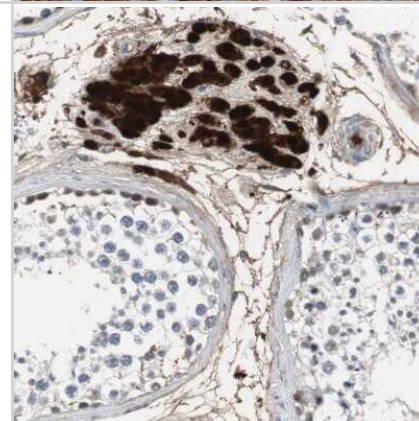
Immunohistochemistry-Paraffin: Calretinin Antibody [NBP1-88221] - Staining of human cerebellum shows strong cytoplasmic and nuclear positivity in cells in granular layer.



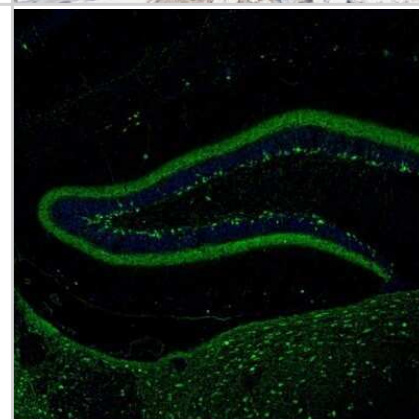
Immunohistochemistry-Paraffin: Calretinin Antibody [NBP1-88221] - Staining of human stomach shows strong cytoplasmic positivity in glandular cells.



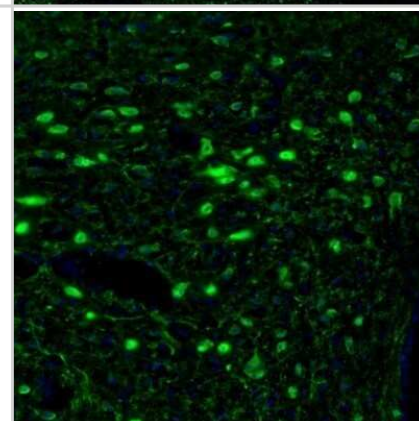
Immunohistochemistry-Paraffin: Calretinin Antibody [NBP1-88221] - Staining of human testis shows strong cytoplasmic and nuclear positivity in Leydig cells.



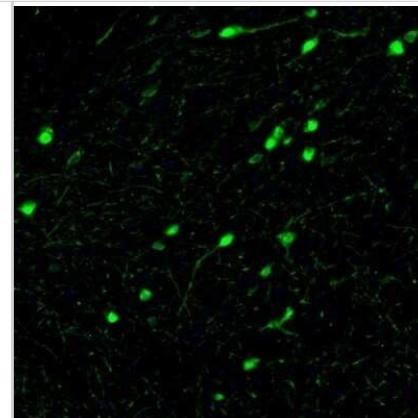
Immunohistochemistry: Calretinin Antibody [NBP1-88221] - Staining of mouse hippocampus shows selective immunoreactivity in the dentate gyrus neurons.



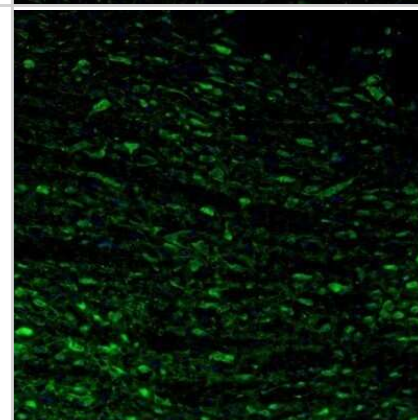
Immunohistochemistry: Calretinin Antibody [NBP1-88221] - Staining of mouse hypothalamus shows immunoreactivity in neurons of the paraventricular nucleus.



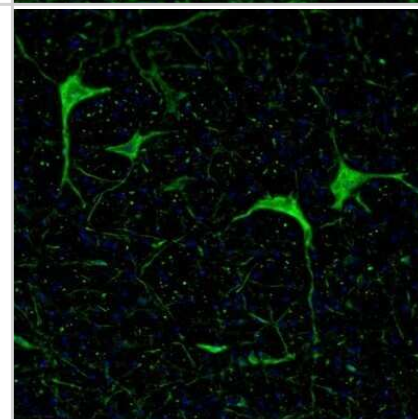
Immunohistochemistry: Calretinin Antibody [NBP1-88221] - Staining of mouse substantia nigra shows neuronal cell bodies and processes in pars compacta.



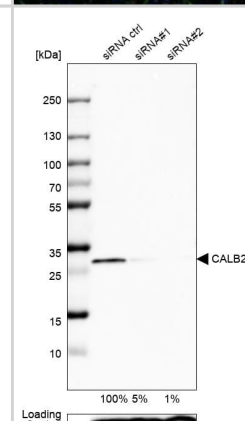
Immunohistochemistry: Calretinin Antibody [NBP1-88221] - Staining of mouse hindbrain shows cytoplasmic immunoreactivity in neurons of the pontine nucleus.



Immunohistochemistry: Calretinin Antibody [NBP1-88221] - Staining of mouse medulla shows positivity in the gigantocellular reticular nucleus neurons.



Analysis in U2OS cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-CALB2 antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.



Publications

Papathanou M, Dumas S, Pettersson H et al. Off-Target Effects in Transgenic Mice: Characterization of Dopamine Transporter (DAT)-Cre Transgenic Mouse Lines Exposes Multiple Non-Dopaminergic Neuronal Clusters Available for Selective Targeting within Limbic Neurocircuitry eNeuro. 2019-10-31 [PMID: 31481399] (IHC-FrFl, Mouse)

Mulder J, Bjorling E, Jonasson K et al. Tissue Profiling of the Mammalian Central Nervous System Using Human Antibody-based Proteomics. Mol Cell Proteomics 2009-07-01 [PMID: 19351664]





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Products Related to NBP1-88221

NBP1-88221PEP	Calretinin 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

Limitations

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