

# 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**

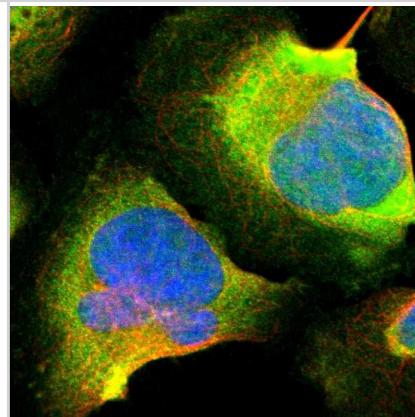
Calretinin Antibody - BSA Free

Product Information	
<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>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol
Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	794
<b>Gene Symbol</b>	CALB2
<b>Species</b>	Human
<b>Marker</b>	Mesothelial Cell Marker
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: LKGFLSDLLKKANRPYDEPKLQEYQTILRMFDLNGDGKLGLEMSRLLPVQE NFLKFKQGMKLTSEEFNAIFTFYDKDRSGYIDEHELDALLKDLYEKNKEMNIQQ LTNYRKSVM SLAEAGKLYRKDLEIV
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry Free-Floating, Knockdown Validated
<b>Recommended Dilutions</b>	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
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

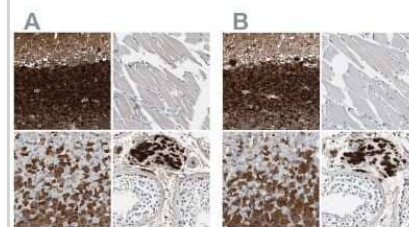


## Images

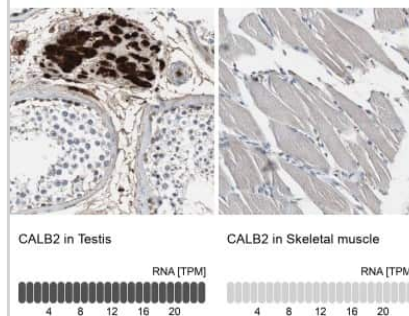
Staining of human cell line U-2 OS shows localization to cytosol.



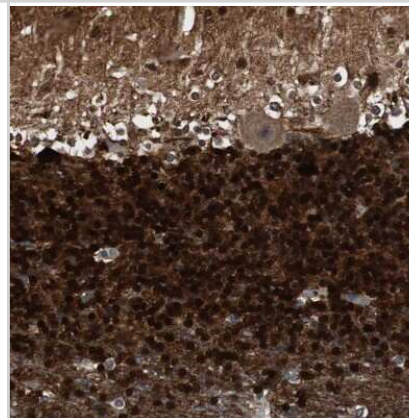
Immunohistochemistry-Paraffin: Calretinin Antibody [NBP1-88221] - Staining of human cerebellum, skeletal muscle, stomach and testis using Anti-CALB2 antibody NBP1-88221 (A) shows similar protein distribution across tissues to independent antibody NBP1-88220 (B).



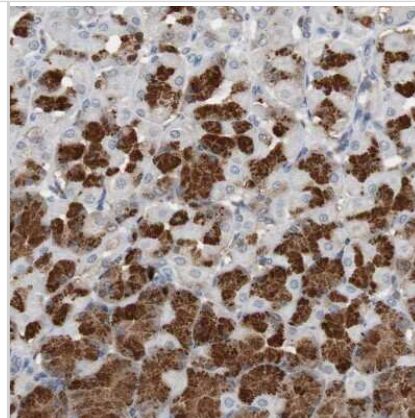
Immunohistochemistry-Paraffin: Calretinin Antibody [NBP1-88221] - Staining in human testis and skeletal muscle tissues using NBP1-88221 antibody. Corresponding CALB2 RNA-seq data are presented for the same tissues.



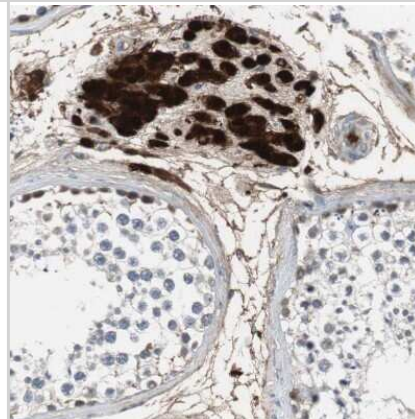
Immunohistochemistry-Paraffin: Calretinin Antibody [NBP1-88221] - Staining of human cerebellum shows strong cytoplasmic and nuclear positivity in cells in granular layer.



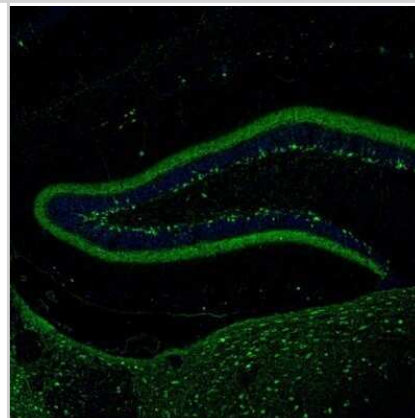
Immunohistochemistry-Paraffin: Calretinin Antibody [NBP1-88221] - Staining of human stomach shows strong cytoplasmic positivity in glandular cells.



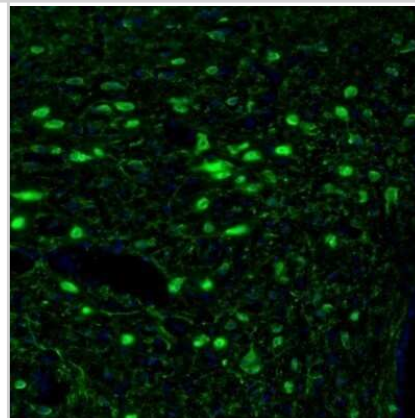
Immunohistochemistry-Paraffin: Calretinin Antibody [NBP1-88221] - Staining of human testis shows strong cytoplasmic and nuclear positivity in Leydig cells.



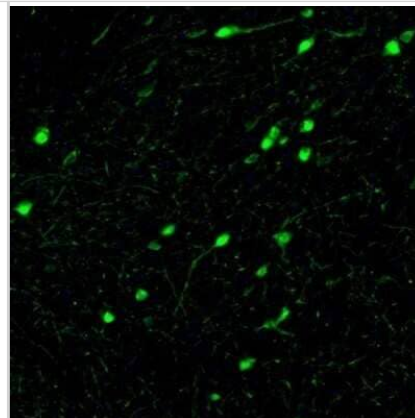
Immunohistochemistry: Calretinin Antibody [NBP1-88221] - Staining of mouse hippocampus shows selective immunoreactivity in the dentate gyrus neurons.



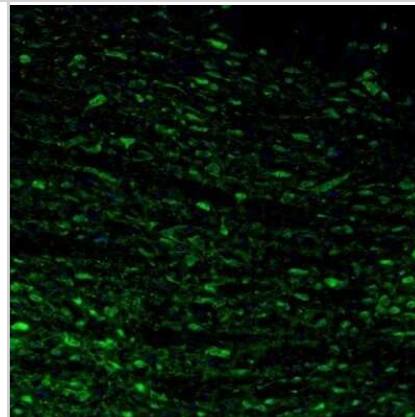
Immunohistochemistry: Calretinin Antibody [NBP1-88221] - Staining of mouse hypothalamus shows immunoreactivity in neurons of the paraventricular nucleus.



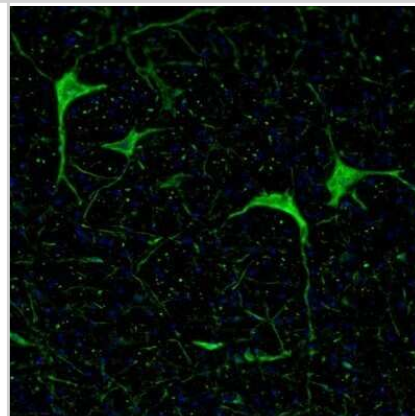
Immunohistochemistry: Calretinin Antibody [NBP1-88221] - Staining of mouse substantia nigra shows neuronal cell bodies and processes in pars compacta.



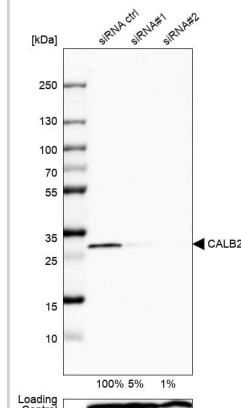
Immunohistochemistry: Calretinin Antibody [NBP1-88221] - Staining of mouse hindbrain shows cytoplasmic immunoreactivity in neurons of the pontine nucleus.



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-FrFI, 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**

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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

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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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