

Rabbit anti-Mouse, Rat CALB1/Calbindin Polyclonal Antibody | anti-CALB1 antibody

CALB1/Calbindin Rabbit anti-Mouse Polyclonal (aa3-261) Antibody

CATALOG # AAA163326	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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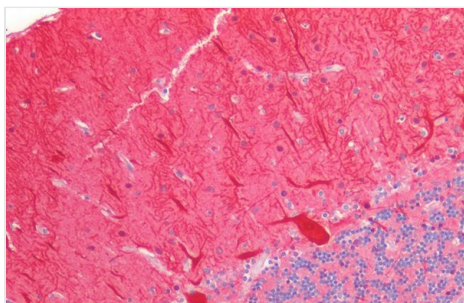
PRODUCT SYNONYMS

CALB1/Calbindin; Polyclonal Antibody; CALB1/Calbindin Rabbit anti-Mouse Polyclonal (aa3-261) Antibody; PathPlus CALB1/Calbindin Antibody (aa3-261); CALB1; Calbindin D28; Calbindin; Calbindin 1; 28kDa; CAB27; CALB; RTVL-H protein; (28kD); D-28K; anti-CALB1 antibody

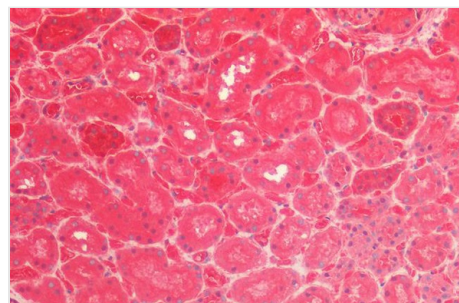
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody is a rabbit polyclonal antibody raised against CALB.
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Form/Format	PBS, pH7.4, 0.02% Sodium Azide, 50% Glycerol
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CALB1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Target	Mouse CALB1/Calbindin
Immunogen	Recombinant CALB (Glu3-Asn261) expressed in E Coli.
Conjugation	Unconjugated
Epitope	aa3-261
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 12 months.

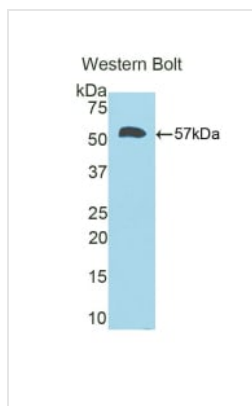
IMAGES



IHC (Immunohistochemistry)
CALB1/Calbindin Antibody-Human Brain, Cerebellum: Formalin-Fixed, Paraffin-Embedded (FFPE)

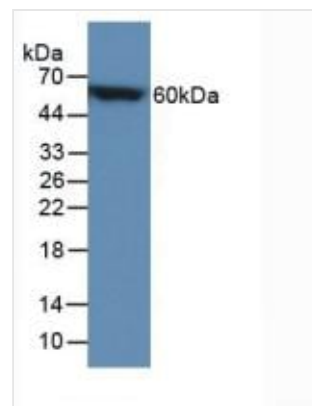


IHC (Immunohistochemistry)
CALB1/Calbindin Antibody-Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)



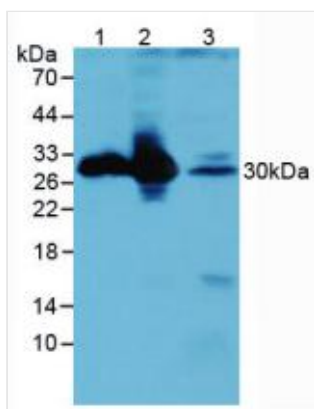
WB (Western Blot)

CALB1/Calbindin Antibody-Western blot of recombinant CALB1/Calbindin. This image was taken for the unconjugated form of this product. Other forms have not been tested.



WB (Western Blot)

CALB1/Calbindin Antibody-Western Blot; Sample: Recombinant CALB, Mouse.



WB (Western Blot)

CALB1/Calbindin Antibody-Western Blot; Sample: Lane1: Mouse Brain Tissue; Lane2: Mouse Kidney Tissue; Lane3: Mouse Eye Tissue.

ADDITIONAL INFORMATION

Related Product Information for anti-CALB1 antibody

Calbindin antibody is an unconjugated rabbit polyclonal antibody to Calbindin (CALB1)(aa3-261) from mouse. It is reactive with mouse and rat. Validated for IHC and WB.

CALB1 (Calbindin) is a protein of the calcium-binding protein superfamily. It functions to buffer the entry of calcium upon glutamate receptor stimulation. In the brain, it is involved in synaptic plasticity. CALB1 has high levels of expression in neurons, and it is associated with sex-specific behavioral regulation and neurobehavioral diseases. Loss of CALB1 in mice results in reduced levels of anxiety, and in humans loss of this protein has been found in patients with Huntington disease. Furthermore, downregulation of CALB1 is seen in Alzheimer's disease (AD) and it is associated with cognitive and memory deficits in AD as well as seizure-prone neurological disorders. In immunohistochemistry, CALB1 has cytoplasmic positivity in Purkinje cells in the cerebellum, in neurons in the cerebral cortex and hippocampus, and in renal tubules.

References

Endocrinology. 2016 May; 157(5): 1967 -1979, PMID: 27010449; Nat Med. 2017 Nov;23(11):1377-1383, PMID: 29035369; Cell Rep. 2017 Oct 24;21(4):891-900, PMID: 29069596; Int J Neurosci. 2005 Oct;115(10):1375-82, PMID: 16162445;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826655
NCBI GeneID	793
NCBI Accession #	NP_004920.1
NCBI GenBank Nucleotide #	NM_004929
UniProt Accession #	P05937 ; B2R696

Molecular Weight	261
NCBI Official Full Name	calbindin
NCBI Official Synonym Full Names	calbindin 1, 28kDa
NCBI Official Symbol	CALB1
NCBI Official Synonym Symbols	CALB
NCBI Protein Information	calbindin; D-28K; calbindin D28; RTVL-H protein; calbindin 1, (28kD); vitamin D-dependent calcium-binding protein, avian-type
UniProt Protein Name	Calbindin
UniProt Gene Name	CALB1
UniProt Synonym Gene Names	CAB27
UniProt Entry Name	CALB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/calb1-calbindin-antibody-western-blot-immunohistochemistry-elisa/163326>