

Calretinin Polyclonal Antibody | anti-CALB2 antibody

Anti-Calretinin Antibody

CATALOG # AAA46562	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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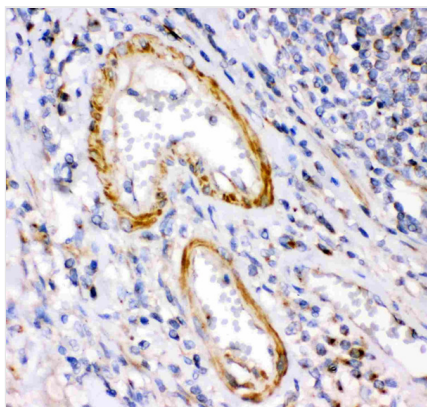
PRODUCT SYNONYMS

Calretinin; Polyclonal Antibody; Anti-Calretinin Antibody; 29 kDa calbindin; CAB 29; CAB29; CAL 2; CAL2; CALB 2; CALB2; CALB2_HUMAN; Calbindin 2 29kDa; Calbindin 2; Calbindin D29K; Calbindin2; CR; calbindin 2; anti-CALB2 antibody

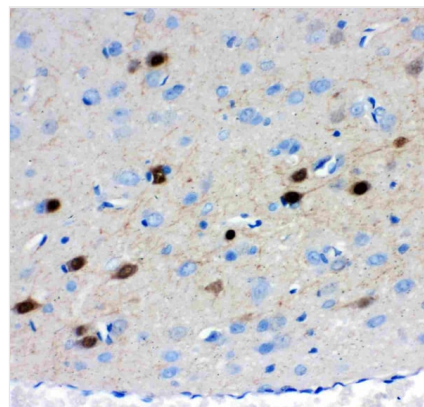
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	271
Applicable Applications for anti-CALB2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminal of human Calretinin(234-262aa EMNIQQLTNYRKSVMSLAEGKLYRKDLE), different from the related mouse and rat sequences by one amino acid.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

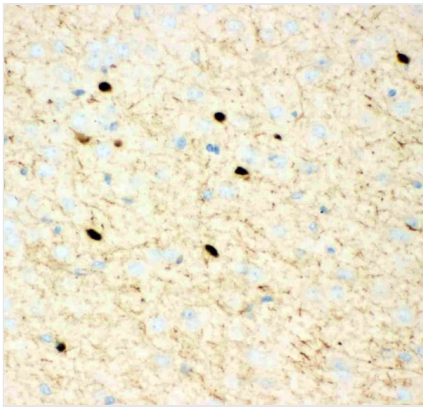
IMAGES



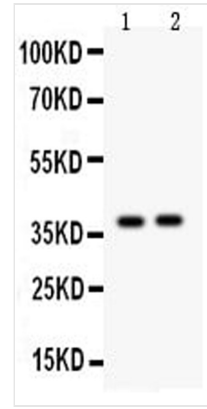
IHC (Immunohistochemistry)
Anti- Calretinin Picoband antibody, AAA46562, IHC(P)IHC(P): Human Intestinal Cancer Tissue



IHC (Immunohistochemisry)
Anti- Calretinin Picoband antibody, AAA46562, IHC(P)IHC(P): Rat Brain Tissue



IHC (Immunohistochemistry)
Anti- Calretinin Picoband antibody, AAA46562, IHC(P)IHC(P): Mouse Brain Tissue



WB (Western Blot)
Anti- Calretinin Picoband antibody, AAA46562, Western blottingAll lanes: Anti Calretinin (AAA46562) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Tissue Lysate at 50ugPredicted bind size: 31KDObserved bind size: 38KD

ADDITIONAL INFORMATION

Related Product Information for anti-CALB2 antibody	Description: Rabbit IgG polyclonal antibody for Calretinin(CALB2) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Calretinin, also known as 29 kDa calbindin, is a vitamin D-dependent calcium-binding protein involved in calcium signaling. In humans, the calretinin protein is encoded by the CALB2 gene. This gene encodes an intracellular calcium-binding protein belonging to the troponin C superfamily. Members of this protein family have six EF-hand domains which bind calcium. Calretinin is mapped to 16q22.2. This protein plays a role in diverse cellular functions, including message targeting and intracellular calcium buffering. It also functions as a modulator of neuronal excitability and is a marker for some human diseases, including Hirschsprung disease and some cancers.
References	1. Parmentier M.; "The human calbindins: cDNA and gene cloning.";Adv. Exp. Med. Biol. 255:233-240(1989). 2. Strauss K.I., Kuznicki J., Winsky L., Kawagoe J.I., Hammer M., Jacobowitz D.M.;"The mouse calretinin gene promoter region: structural and functional components.";Brain Res. Mol. Brain Res. 49:175-187(1997). 3. Gabrielides C., McCormack A.L., Hunt D.F., Christakos S.;"Brain calbindin-D28k and an Mr 29,000 calcium binding protein in cerebellum are different but related proteins: evidence obtained from sequence analysis by tandem mass spectrometry.";Biochemistry 30:656-662(1991).

NCBI AND UNIPROT INFORMATION

NCBI GI #	153946409
NCBI GeneID	794
NCBI Accession #	NP_001731.2
NCBI GenBank Nucleotide #	NM_001740.4
UniProt Accession #	P22676 ; Q53HD2 ; Q96BK4 ; A8K4Y1
Molecular Weight	31,540 Da
NCBI Official Full Name	calretinin isoform 1
NCBI Official Synonym Full Names	calbindin 2
NCBI Official Symbol	CALB2
NCBI Official Synonym Symbols	CR; CAL2; CAB29
NCBI Protein Information	calretinin
UniProt Protein Name	Calretinin
UniProt Gene Name	CALB2

UniProt Synonym Gene Names	CAB29; CR
UniProt Entry Name	CALB2_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://stage.aaabiotech.com/polyclonal/calretinin-antibody-immunohistochemistry-western-blot-elisa/46562>