

Mouse Calretinin/Calbindin 2 Monoclonal Antibody | anti-CALB2 antibody

Calretinin/Calbindin 2 (Mesothelioma Marker)

CATALOG # AAA214838	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry
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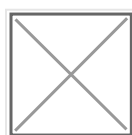
PRODUCT SYNONYMS

Calretinin/Calbindin 2; Monoclonal Antibody; Calretinin/Calbindin 2 (Mesothelioma Marker); 29kDa calbindin; CAB29; CAL2; CALB2; Calbindin 2; Calbindin D29K; Calretinin; CR; anti-CALB2 antibody

PRODUCT SPECIFICATIONS

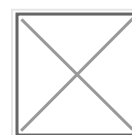
Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG
Clone Number	CALB2/2685
Specificity	It recognizes a protein of about 29kDa, which is identified as Calretinin (also known as Calbindin 2). Calretinin is a vitamin D-dependent calcium-binding protein involved in calcium signaling. It is present in subsets of neurons throughout the brain and spinal chord, including sensory ganglia. Antibody to calretinin is useful in differentiating mesothelioma from adenocarcinomas of the lung. It also aids in differentiating adrenal cortical neoplasms from pheochromocytomas.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA at 1.0mg/ml
Form/Format	200ug/ml of Ab purified from rabbit anti-serum by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml.
Sequence Length	271
Applicable Applications for anti-CALB2 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant human Calretinin (Calbindin 2) protein fragment (around aa23-242) (exact sequence is proprietary)
Positive Control	Brain, Testis or Mesothelioma
Cellular Localization	Cytoplasmic and Nuclear
Chromosome Location	16q22.2
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE

SDS-PAGE Analysis Purified Calretinin Mouse Monoclonal Antibody (CALB2/2685). Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Mesothelioma stained with Calretinin Mouse Monoclonal Antibody (CALB2/2685).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Cerebellum stained with Calretinin Mouse Monoclonal Antibody (CALB2/2685).

ADDITIONAL INFORMATION

References	Rogers, J.H. 1987. J. Cell Biol. 105: 1343-1353.; Doglioni, C., et al. 1996. Am. J. Surg. Pathol. 20: 1037-1046.
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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	29kDa
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

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/monoclonal/calretinin-calbindin-2-antibody-clone-calb2-2685-immunohistochemistry-elisa/214838>