

Mouse anti-Human CALB2 Monoclonal Antibody | anti-CALB2 antibody

CALB2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48253	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

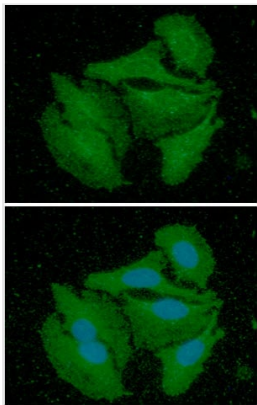
PRODUCT SYNONYMS

CALB2; Monoclonal Antibody; CALB2 antibody; Calretinin; CAL2; CR; 29 kDa calbindin; anti-CALB2 antibody

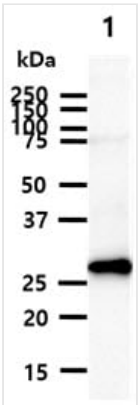
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT5C5
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	271
Applicable Applications for anti-CALB2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human CALB2 (1-271aa) purified from E. coli
Clone Note	Anti-human CALB2 mAb, clone AT5C5, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human CALB2 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)
ICC/IF analysis of CALB2 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human CALB2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)
The cell and tissue lysate (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CALB2 antibody (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Mouse brain lysate

ADDITIONAL INFORMATION

Related Product Information for anti-CALB2 antibody	CALB2 is an intracellular calcium-binding protein belonging to the troponin C superfamily. Members of this protein family have six EF-hand domains which bind calcium. 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.
Product Categories/Family for anti-CALB2 antibody	Neuroscience
References	Rogers JH., et al. (1987) J Cell Biol. 105 (3): 1343-1353.; Dreher B.,et al. (1996) J. Comp. Neurol. 376 (2): 223-40.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15930083
NCBI GeneID	794
Molecular Weight	31,540 Da
NCBI Official Full Name	Calbindin 2
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.