

CALB2 monoclonal antibody, clone 6B3

Catalog # MAB3993

Size

Specification

Product Description	Mouse monoclonal antibody raised against recombinant CALB2.
Immunogen	Recombinant protein corresponding to human CALB2.
Host	Mouse
Reactivity	Human, Rat
Specificity	This antibody reacts with Calretinin 22 KDa, no cross-reaction with Calbindin and Calmodulin.
Form	Liquid
Isotype	IgG
Recommend Usage	Western Blot (1:40-1:50) Immunohistochemistry (1:40-1:50) The optimal working dilution should be determined by the end user.
Storage Buffer	In phosphate buffer, pH 7.3 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunohistochemistry (Frozen sections)

Gene Info — CALB2

Entrez GeneID	794
Gene Name	CALB2
Gene Alias	CAL2
Gene Description	calbindin 2
Omim ID	114051
Gene Ontology	Hyperlink
Gene Summary	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. Three alternatively spliced transcript variants that encode different proteins have been described. [provided by RefSeq]
Other Designations	calbindin 2, (29kD, calretinin) calbindin D29K calretinin

Publication Reference

- [The Role of Parvalbumin Containing Interneurons in the Regulation of Spontaneous Synchronous Activity of Brain Neurons in Culture.](#)

Zinchenko VP, Turovskaya MV, Teplov IY, Berezhnov AV, Turovsky EA.

Cell Biophysics 2015 Nov; 61(1):85.

Application: ICC, IF, Rat, Rat brain neuron

- [Monoclonal antibodies recognizing epitopes of calretinins: dependence on Ca²⁺-binding status and differences in antigen accessibility in colon cancer cells.](#)

Zimmermann L, Schwaller B.

Cell Calcium 2002 Jan; 31(1):13.

Application: IF, WB-Re, Chicken, Fish, Human, Monkey, Mouse, Pig, Rat, Recombinant protein, WiDr cells

- [Calretinin: a novel immunocytochemical marker for mesothelioma.](#)

C Doglioni, A P Dei Tos, L Laurino, P Iuzzolino, C Chiarelli, M R Celio, G Viale.

The American Journal of Surgical Pathology 1996 Sep; 20(9):1037.

Application: IHC-P, Human, Human cerebral cortex, Human malignant mesotheliomas

- [The calcium binding protein calretinin is a selective marker for malignant pleural mesotheliomas of the epithelial type.](#)

Gotzos V, Vogt P, Celio MR.

Pathology, Research and Practice 1996 Feb; 192(2):137.

Application: IHC-P, Human, Human adenocarcinomas, Human pleural mesotheliomas

Disease

- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Genetic Predisposition to Disease](#)