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DATA SHEET

Mouse Anti-Calretinin [CALB2/2685]: MC0288, MC0288RTU7

Intended Use: For Research Use Only

Description: Calretinin is an intracellular calcium-binding protein belonging to the troponin C superfamily characterized by a structural motif described as the EF-hand domain. The immunohistochemical detection of calretinin in developing cerebellum is restricted to the later stages indicated by weak staining from week 21 of gestation, in Purkinje and basket cells and in neurons of the dentate nucleus. The intensity of staining increases as the cerebellum matures. In tumors, calretinin has been detected in mesothe liomas and some pulmonary adenocarcinomas.

Specifications:

Clone:	CALB2/2685
Source:	Mouse
Isotype:	IgG1k
Reactivity:	Human
Immunogen:	Recombinant human Calretinin (Calbindin 2) protein fragment around aa23-242
Localization:	Cytoplasm, nucleus
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC

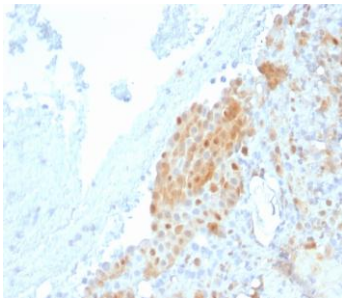
Package:

Description	Catalog No.	Size
Calretinin Concentrated	MC0288	1 ml
Calretinin Prediluted	MC0288RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Mesothelioma
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human mesothelioma stained with anti-Calretinin using DAB

References:

1. Calretinin and calbindin distribution patterns specify subpopulations of type I and type II spiral ganglion neurons in postnatal murine cochlea. Liu W, et al. J Comp Neurol. 2014 Jul 1;522(10):2299-318, 2014.
2. Role of calretinin immunohistochemical stain in evaluation of Hirschsprung disease: an institutional experience. Alexandrescu S, et al. Int J Clin Exp Pathol. Nov 15;6(12):2955-61, 2013.
3. Wnt-mediated activation of NeuroD1 and retro-elements during adult neurogenesis. Kuwabara T, et al. Nat Neurosci 12:1097-105, 2009.

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