

## Product datasheet for **UM800187CF**

### Calretinin (CALB2) Mouse Monoclonal Antibody [Clone ID: UMAB305]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB305
Applications:	IHC
Recommended Dilution:	IHC 1:200
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human Calretinin(CALB2) (NP_001731) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Concentration:	1mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Predicted Protein Size:	31.6 kDa
Gene Name:	calbindin 2
Database Link:	<a href="#">NP_001731</a> <a href="#">Entrez Gene 794 Human</a> <a href="#">P22676</a>



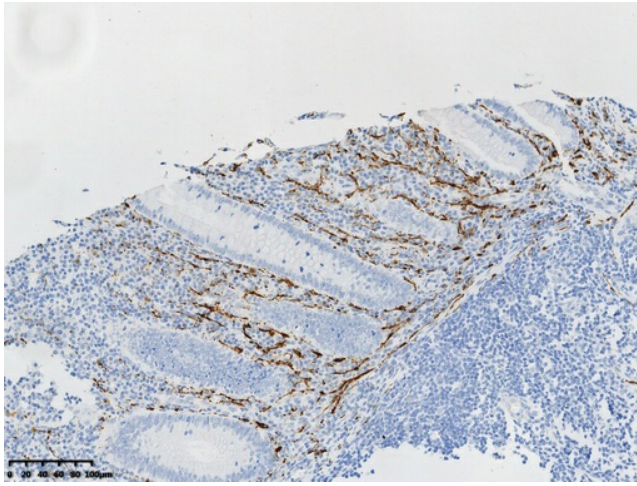
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**Background:**

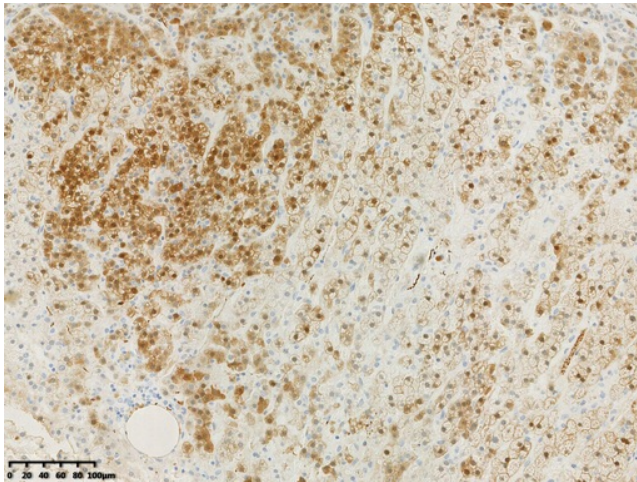
This gene encodes an intracellular calcium-binding protein belonging to the troponin C superfamily. Members of this protein family have six EF-hand domains which bind calcium. This protein plays a role in diverse cellular functions, including message targeting and intracellular calcium buffering. It also functions as a modulator of neuronal excitability, and is a diagnostic marker for some human diseases, including Hirschsprung disease and some cancers. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010]

**Synonyms:**

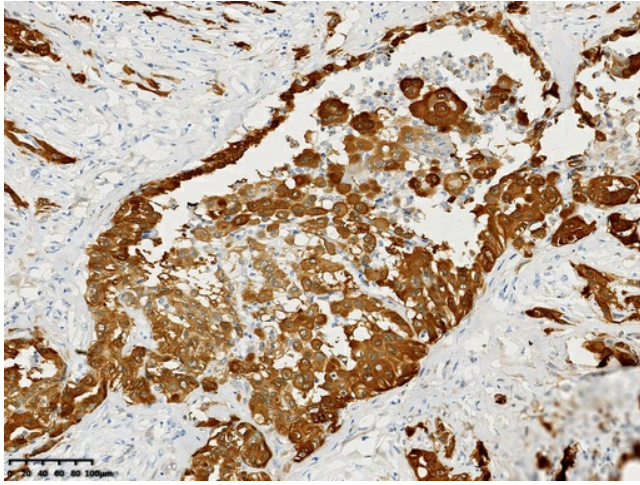
CAB29; CAL2; CR

**Product images:**

IHC staining of FFPE human appendix tissue with in the normal limits using anti-Calretinin(CALB2) mouse monoclonal antibody ([UM800187]) and Polink-2 HRP polymer detection kit ([D22-110]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 ([B04C-100]) at 120°C for 3 min. The brown stain indicates positive stain, blue is the counter stain.



IHC staining of FFPE human adrenal gland tissue with in the normal limits using anti-Calretinin(CALB2) mouse monoclonal antibody ([UM800187]) and Polink-2 HRP polymer detection kit ([D22-110]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 ([B04C-100]) at 120°C for 3 min. The brown stain indicates positive stain, blue is the counter stain.



IHC staining of FFPE human mesothelioma tissue using anti-Calretinin(CALB2) mouse monoclonal antibody ([UM800187]) and Polink-2 HRP polymer detection kit ([D22-110]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 ([B04C-100]) at 120°C for 3 min. The brown stain indicates positive stain, blue is the counter stain.