

**Rabbit Anti-Calretinin [SP13]: RM0223, RM0223RTU7**

**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 mesotheliomas and some pulmonary adenocarcinomas.

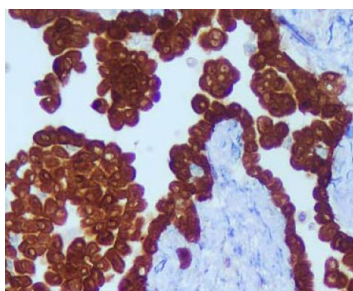
**Specifications:**

Clone: SP13  
Source: Rabbit  
Isotype: IgG  
Reactivity: Human, rat  
Localization: Cytoplasm, nucleus  
Formulation: Antibody in PBS pH7.2, containing < 0.2% BSA and < 0.09% sodium azide (NaN<sub>3</sub>).  
Storage: Store at 2°- 8°C  
Applications: IHC, ICC/IF  
Package:

Description	Catalog No.	Size
Calretinin Concentrated	RM0223	1 ml
Calretinin Prediluted	RM0223RTU7	7 ml

**IHC Procedure\*:**

Positive Control Tissue: Mesothelioma  
Concentrated Dilution: 25-50  
Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using 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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Rev. A