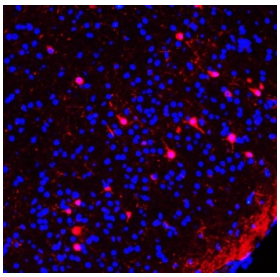
Calretinin Antibody / 29 kDa Calbindin / CALB2 (R30185)

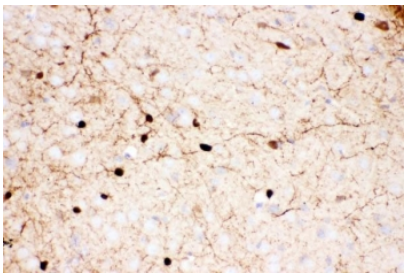
Catalog No.	Formulation	Size
R30185	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

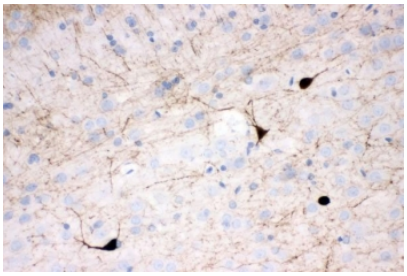
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P22676
Gene ID	794
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml Immunofluorescence : 5ug/ml
Limitations	This Calretinin antibody is available for research use only.



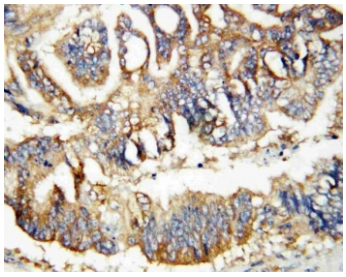
Immunofluorescent staining of FFPE mouse brain tissue with Calretinin antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



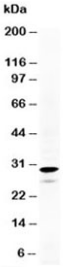
IHC staining of FFPE mouse brain tissue with Calretinin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat brain tissue with Calretinin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC-P: Calretinin antibody testing of human rectal cancer tissue. HIER: steamed with pH6 citrate buffer.



Western blot testing of Calretinin antibody and HeLa cell lysate. Expected molecular weight: ~29 kDa.

Description

Calbindin (CALB1) is a calcium-binding protein belonging to the troponin C superfamily. Calretinin (CALB2) is expressed in central and peripheral nervous system and in many normal and pathological tissues. The rat and human calretinin exhibit 98% sequence homology and 91% homology to many other species. Two calcium binding proteins, calbindin and calretinin, have been reported to be expressed in abundance in Purkinje cells and other cell types in the cerebellum.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Calretinin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human Calretinin (PQQQPPYLHLAELTA) was used as the immunogen for this Calretinin antibody.

Storage

Store the Calretinin antibody at -20oC.