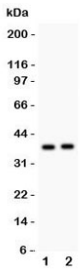
Calretinin Antibody / Calbindin / CALB2 (R31661)

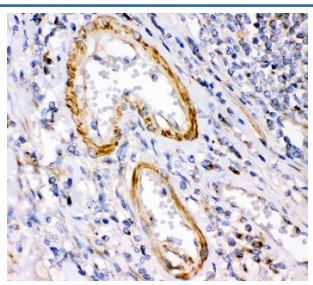
Catalog No.	Formulation	Size
R31661	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

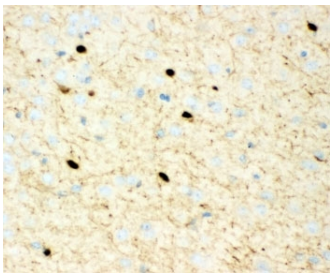
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	794
Applications	Western blot: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



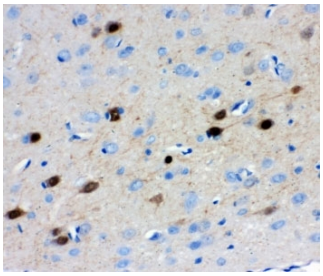
Western blot testing of Calretinin antibody and Lane 1: rat brain; 2: mouse brain lysate. Expected molecular weight: ~29KD, observed size ~37kDa.



IHC-P: Calretinin antibody testing of human intestine cancer tissue



IHC-P: Calretinin antibody testing of mouse brain tissue



IHC-P: Calretinin antibody testing of rat brain tissue

Description

Calretinin, also known as 29 kDa calbindin, is a vitamin D-dependent calcium-binding protein involved in calcium signaling. In humans, the protein is encoded by the CALB2 gene. 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. Calretinin is mapped to 16q22.2. 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.

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 C-terminal of human Calretinin (EMNIQQLTNYRKSVMSLAEAGKLYRKDLE) was used as the immunogen for this Calretinin antibody.

Storage

After reconstitution, the Calretinin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com

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