

CaBP7 Antibody

Catalog No: #25159

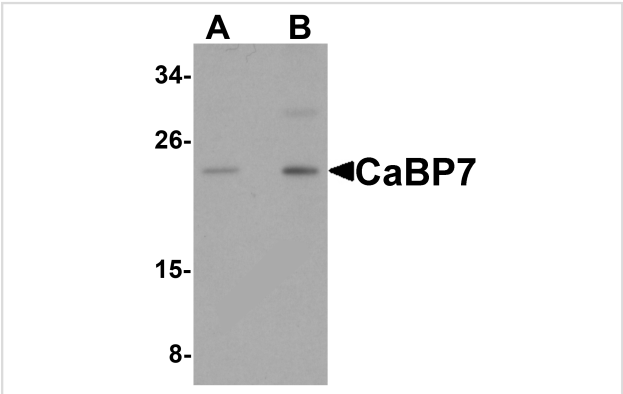


Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

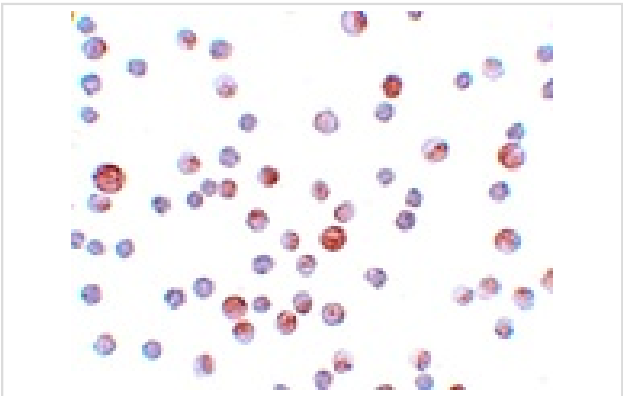
Description

Product Name	CaBP7 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide near the amino terminus of human CaBP7.
Target Name	CaBP7
Other Names	Calcium-binding protein 7, CALN2, Calneuron-2, Calneuron II
Accession No.	Swiss-Prot:Q86V35Gene ID:164633
Uniprot	Q86V35
GeneID	164633;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of CaBP7 in HeLa cell lysate with CaBP7 antibody at (A) 1 and (B) 2 ug/mL.



Immunocytochemistry of CaBP7 in HeLa cells with CaBP7 antibody at 4 ug/mL.

Background

Calcium binding proteins (CaBP) play a crucial role in the calcium-mediated cellular signal transduction pathway in the central nervous system. The CaBP family shares much similarity with CaM I (calmodulin), and it has been shown that CaBP proteins can substitute functionally for, and possibly augment the function of, CaM I. CaBP7 (Calcium-binding protein 7), contains two EF-hand domains for calcium binding and shares 70% homology with CaBP8 and 50% homology with CaM I. It negatively regulates Golgi-to-plasma membrane trafficking by interacting with PI4KB and inhibiting its activity. CaBP7 and 8 possess a targeting mechanism that is unique amongst the CaBPs that may contribute to differential functional Ca²⁺-sensing by these family members.

Note: This product is for in vitro research use only