

Anti-Calcium-binding protein 7 CaBP7 Antibody

Catalog Number: A15152-2

About CABP7

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.

Overview

Product Name	Anti-Calcium-binding protein 7 CaBP7 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Calcium-binding protein 7 CaBP7 Antibody (Catalog # A15152-2). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	CaBP7 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	CaBP7 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q86V35

Technical Details

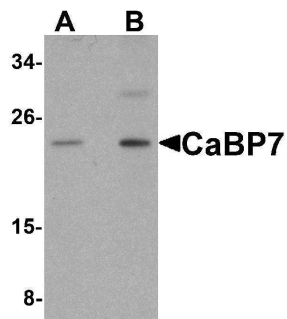
Immunogen	CaBP7 antibody was raised against a 15 amino acid synthetic peptide near the amino terminus of human CaBP7. The immunogen is located within the first 50 amino acids of CaBP7.
Predicted Reactive Species	Bovine, Chicken, Rabbit
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	CaBP7 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

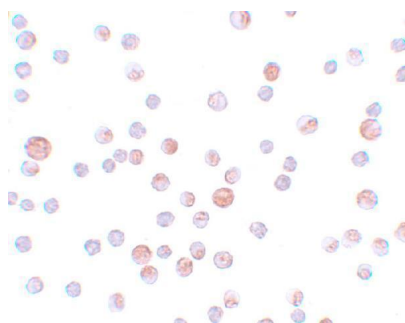
CaBP7 antibody can be used for detection of CaBP7 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunocytochemistry starting at 4 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

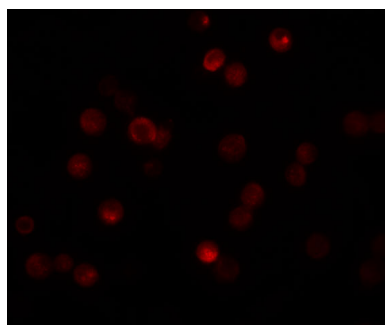
Anti-Calcium-binding protein 7 CaBP7 Antibody (A15152-2) Images



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.



Immunofluorescence of CaBP7 in HeLa cells with CaBP7 antibody at 20 ug/mL.

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