

Anti-CaBP8 CALN1 Antibody

Catalog Number: A11254

About CALN1

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. CaBP8, contains two EF-hand domains for calcium binding and shares 70% homology with CaBP7 and 50% homology with CaM I. It negatively regulates Golgi-to-plasma membrane trafficking by interacting with PI4KB and inhibiting its activity. Both CaBP8 and CaBP7 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-CaBP8 CALN1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CaBP8 CALN1 Antibody (Catalog # A11254). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	CaBP8 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	CaBP8 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	Q9BXU9

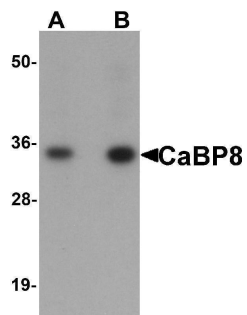
Technical Details

Immunogen	CaBP8 antibody was raised against a 16 amino acid synthetic peptide near the amino terminus of human CaBP8. The immunogen is located within the first 50 amino acids of CaBP8.
Predicted Reactive Species	Rat
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	CaBP8 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

CaBP8 antibody can be used for detection of CaBP8 by Western blot at 1 - 2 ug/mL. For immunofluorescence start at 20 ug/mL.
Antibody validated: Western Blot in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-CaBP8 CALN1 Antibody (A11254) Images



Western blot analysis of CaBP8 in 3T3 cell lysate with CaBP8 antibody at (A) 1 and (B) 2 ug/mL.

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