

[Go to Product page](#)

Datasheet for ABIN6991381 **anti-CABP7 antibody (N-Term)**

Overview

Quantity:	0.1 mg
Target:	CABP7
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CABP7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

Product 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.
Isotype:	IgG
Purification:	CaBP7 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	CABP7
Alternative Name:	CaBP7 (CABP7 Products)
Background:	CaBP7 Antibody: 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

Target Details

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.

Gene ID: 164633

NCBI Accession: [NP_872333](#)

UniProt: [Q86V35](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: CaBP7 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: CaBP7 antibody can be stored at 4°C for three months and -20°C, stable for up to 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.