

Datasheet for ABIN783667
anti-CABP7 antibody (N-Term)

2 Images

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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), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	15 amino acid peptide near the amino terminus of human CaBP7
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	CABP7
Alternative Name:	CABP7 (CABP7 Products)
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

Target Details

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. Synonyms: Calcium-binding protein 7

Gene ID: 164633

NCBI Accession: [NP_872333](#)

UniProt: [Q86V35](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % sodium azide

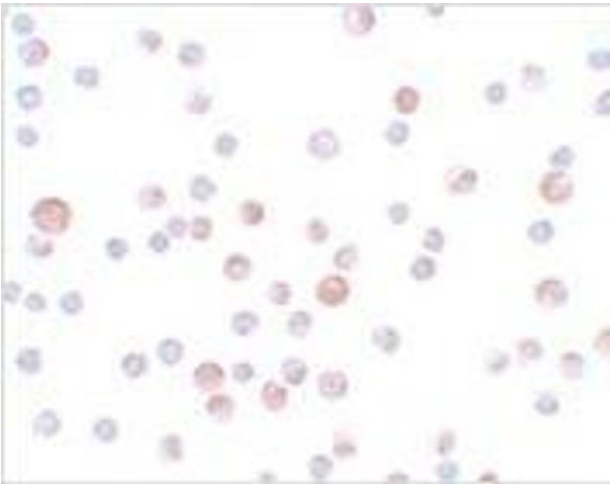
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

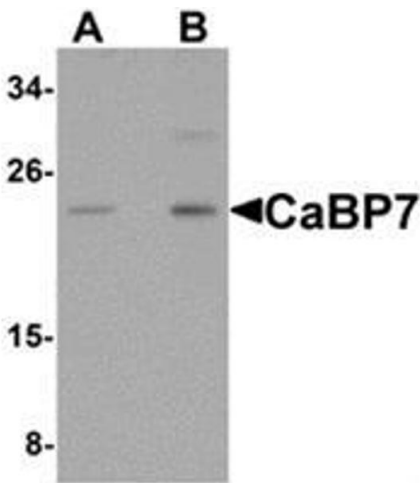
Storage: -20 °C

Storage Comment: Store the antibody (in aliquots) at -20 °C.



Immunofluorescence

Image 1. Immunocytochemistry of CaBP7 in HeLa cells with CaBP7 antibody at 4 µg/ml.



Western Blotting

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