

Product datasheet for **TA320125**

Calcium binding protein 7 (CaBP7) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, ICC:4 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	CaBP7 antibody was raised against a 15 amino acid synthetic peptide near the amino terminus of human CaBP7.
Formulation:	CaBP7 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	CaBP7 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	calcium binding protein 7
Database Link:	NP_872333 Entrez Gene 192650 Mouse Entrez Gene 360970 Rat Entrez Gene 164633 Human Q86V35

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 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.

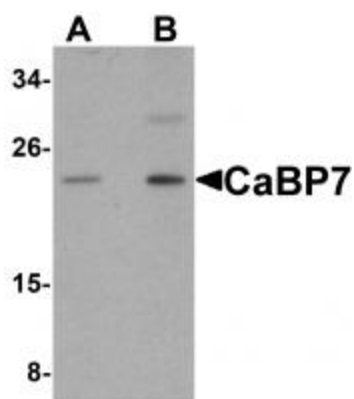


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Synonyms: CALN2

Protein Families: Transmembrane

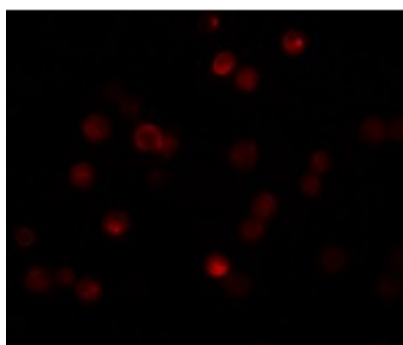
Product images:



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.