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Alternative Name:

## anti-CADPS antibody (N-Term)



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Overview	
Quantity:	0.1 mg
Target:	CADPS
Binding Specificity:	AA 90-140, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CADPS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)
Product Details	
Immunogen:	CAPS1 antibody was raised against a 21 amino acid synthetic peptide near the amino terminus of the human CAPS1. The immunogen is located within amino acids 90 - 140 of CAPS1.
Isotype:	IgG
Specificity:	Numerous isoforms of CAPS1 are known to exist. This CAPS1 antibody is predicted to be specific to CAPS1 and not recognize CAPS2.
Purification:	CAPS1 Antibody is affinity chromatography purified via peptide column.
Target Details	
Target:	CADPS

CAPS1 (CADPS Products)

## Target Details

Background:	CAPS1 Antibody: CAPS1 and its related protein CAPS2 encode novel neural/endocrine-specific cytosolic and peripheral membrane proteins. Both are essential components of the synaptic vesicle priming machinery and are required for the Ca2+-regulated exocytosis of secretory vesicles, CAPS-deficienct neurons contain no or very few fusion competent synaptic vesicles, causing a selective impairment of fast phasic transmitter release. CAPS1 acts at a stage in exocytosis that follows ATP-dependent priming, which involves the essential synthesis of phosphatidylinositol 4, 5-bisphosphate and is thought to be a specific regulator of large dense-core vesicle fusion.
Gene ID:	8618
NCBI Accession:	NP_899631
UniProt:	Q9ULU8
Pathways:	Synaptic Vesicle Exocytosis
Application Details	
Application Notes:	CAPS1 antibody can be used for detection of CAPS1 by Western blot at $0.25$ - $0.5~\mu$ ,g/mL. Antibody can also be used for immunohistochemistry starting at $5~\mu$ ,g/mL. For immunofluorescence start at $20~\mu$ ,g/mL.
	Antibody validated: Western Blot in rat samples, Immunohistochemistry 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:	CAPS1 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:	CAPS1 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.