

Datasheet for ABIN499525  
**anti-CADPS antibody (N-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	0.1 mg
Target:	CADPS
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CADPS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	CAPS1 antibody was raised against a 21 amino acid peptide near the amino terminus of the human CAPS1.
Isotype:	IgG
Specificity:	This antibody reacts to CAPS1.
Purification:	Affinity chromatography purified via peptide column

## Target Details

Target:	CADPS
Alternative Name:	CADPS ( <a href="#">CADPS Products</a> )

## Target Details

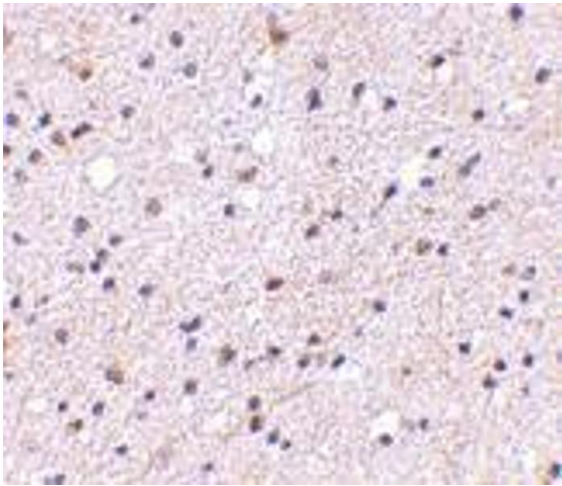
Background:	<p>CAPS1 and its related protein CAPS2 encode novel neural/endocrine-specific cytosolic and peripheral membrane proteins. Both are essential components of the synaptic vesicle priming machinery and are required for the Ca<sup>2+</sup>-regulated exocytosis of secretory vesicles, CAPS-deficient 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. Numerous isoforms of CAPS1 are known to exist. This CAPS1 antibody is predicted to be specific to CAPS1 and not recognize CAPS2. Synonyms: CAPS, CAPS-1, CAPS1, Calcium-dependent activator protein for secretion 1, Calcium-dependent secretion activator 1, KIAA1121</p>
Gene ID:	8618
NCBI Accession:	<a href="#">NP_899631</a>
UniProt:	<a href="#">Q9ULU8</a>
Pathways:	<a href="#">Synaptic Vesicle Exocytosis</a>

## Application Details

Application Notes:	<p>ELISA. Western Blot: CAPS1 antibody can be used for detection of CAPS1 by Western blot at 0.25 -0.5 µg/mL. Immunohistochemistry.</p> <p>Other applications not tested.</p> <p>Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Restrictions:	For Research Use only

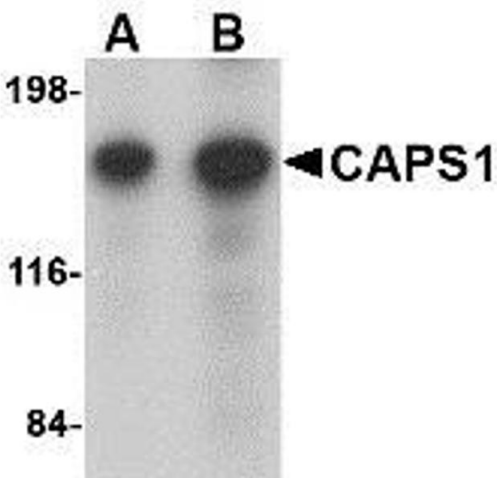
## Handling

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.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Immunohistochemistry of CAPS1 in human brain with CAPS1 antibody at 5 µg/ml.



**Western Blotting**

**Image 2.** Western blot analysis of CAPS1 in rat brain tissue lysate with AP30179PU-N CAPS1 antibody at (A) 0.25 and (B) 0.5 µg/ml.