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## Datasheet for ABIN5515925 **anti-CADPS antibody (C-Term)**

### Overview

Quantity:	100 µL
Target:	CADPS
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Zebrafish (Danio rerio), Dog, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CADPS antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human CAPS1
Sequence:	EVVIMEVQGL KSLAPNRIVY CTMEVEGGEK LQTDQAEASK PTVIRNRRE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against CAPS1. It was validated on Western Blot.
Purification:	Affinity purified

### Target Details

Target:	CADPS
Alternative Name:	CAPS1 ( <a href="#">CADPS Products</a> )

## Target Details

**Background:** This gene encodes a novel neural/endocrine-specific cytosolic and peripheral membrane protein required for the Ca<sup>2+</sup>-regulated exocytosis of secretory vesicles. The protein acts at a stage in exocytosis that follows ATP-dependent priming, which involves the essential synthesis of phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P<sub>2</sub>). Alternative splicing has been observed at this locus and three variants, encoding distinct isoforms, are described.

Alias Symbols: CADPS, CAPS, CAPS1, KIAA1121,

Protein Size: 457

Gene ID: 8618

Pathways: [Synaptic Vesicle Exocytosis](#)

## Application Details

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

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Buffer:** Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

**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

**Storage Comment:** For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.