

Rabbit anti-Human, Rat CADPS2 Polyclonal Antibody | anti-CADPS2 antibody

CADPS2 Antibody

CATALOG # AAA327886	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS ELISA, Western Blot
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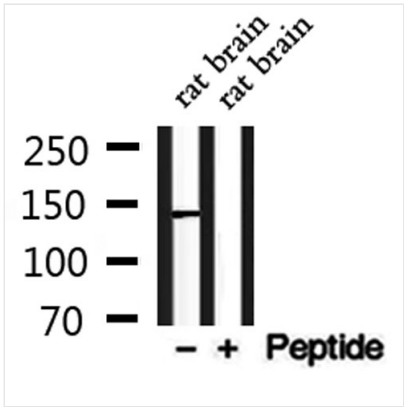
PRODUCT SYNONYMS

CADPS2; Polyclonal Antibody; CADPS2 Antibody; Cadps2; Calcium-dependent activator protein for secretion 2; Calcium-dependent secretion activator 2; CAPS2; KIAA1591; anti-CADPS2 antibody

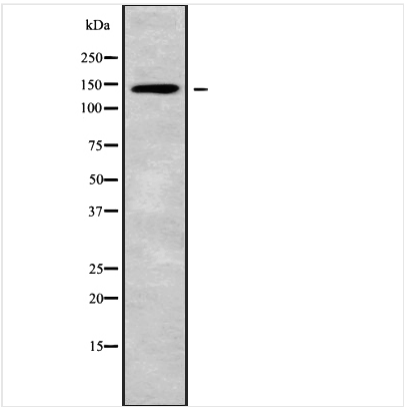
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CADPS2 antibody detects endogenous levels of total CADPS2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1255
Applicable Applications for anti-CADPS2 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human CADPS2
Subcellular Location	Cytoplasmic. Membrane-associated to vesicles.
Tissue Specificity	Widely expressed. Expressed in all adult and fetal tissues examined, with the strongest expression in kidney and pancreas. In brain, it is expressed at high levels in cerebellum, to a lesser degree in cerebral cortex, occipital pole, and frontal and temporal lobes. Only weakly expressed in medulla, spinal cord and putamen.
Predicted Cross Reactivity	Bovine
Similarity	Bovine (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from rat brain, using CADPS2 Antibody.



WB (Western Blot)
Western blot analysis of CADPS2 using K562 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-CADPS2 antibody	Function: Calcium-binding protein involved in exocytosis of vesicles filled with neurotransmitters and neuropeptides. Probably acts upstream of fusion in the biogenesis or maintenance of mature secretory vesicles. Regulates neurotrophin release from granule cells leading to regulate cell differentiation and survival during cerebellar development. May specifically mediate the Ca2+-dependent exocytosis of large dense-core vesicles (DCVs) and other dense-core vesicles (By similarity). Subunit Structure: Homodimer (By similarity). Interacts with the dopamine receptor DRD2. Similarity: The PH domain is essential for regulated exocytosis and binds phospholipids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148839284
NCBI GeneID	93664
NCBI Accession #	NP_001009571.2
NCBI GenBank Nucleotide #	NM_001009571.3
UniProt Accession #	Q86UW7; Q658Q2; Q7Z5T7; Q8IZW9; Q8N7M4; Q9H6P4; Q9HCI1; Q9NWK8; A4D0X3; B7ZM56
Molecular Weight	Observed: 148 kDa Predicted: 148 kDa
NCBI Official Full Name	calcium-dependent secretion activator 2 isoform b
NCBI Official Synonym Full Names	calcium dependent secretion activator 2
NCBI Official Symbol	CADPS2
NCBI Official Synonym Symbols	CAPS2
NCBI Protein Information	calcium-dependent secretion activator 2
UniProt Protein Name	Calcium-dependent secretion activator 2
UniProt Gene Name	CADPS2
UniProt Synonym Gene Names	CAPS2; KIAA1591; CAPS-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.