

Rabbit CASK Polyclonal Antibody | anti-CASK antibody

CASK Antibody

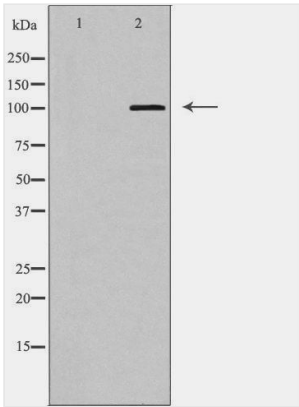
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326719	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

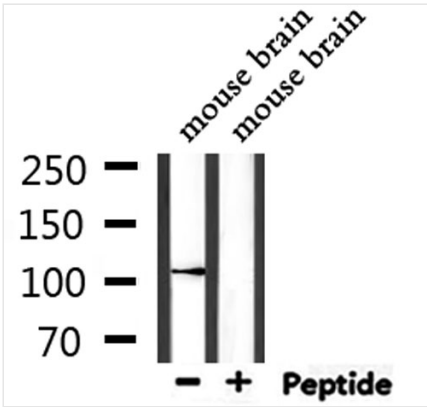
CASK; Polyclonal Antibody; CASK Antibody; CAGH39; Caki; Calcium/calmodulin dependent serine protein kinase; Calcium/calmodulin dependent serine protein kinase (MAGUK family); Calcium/calmodulin dependent serine protein kinase membrane associated guanylate kinase; Calcium/calmodulin-dependent serine protein kinase; CAMGUK; CAMGUK protein; drosophila; homolog of; casK; CMG; CSKP_HUMAN; DXPri1; DXRib1; FGS4; FLJ22219; FLJ31914; hCASK; LIN 2; Lin 2 homolog; LIN2; Lin2 homolog; MICPCH; MRXSNA; Pals3; Peripheral plasma membrane protein CASK; Protein lin-2 homolog; TNRC8; Trinucleotide repeat containing 8; Vertebrate LIN2 homolog; anti-CASK antibody

PRODUCT SPECIFICATIONS

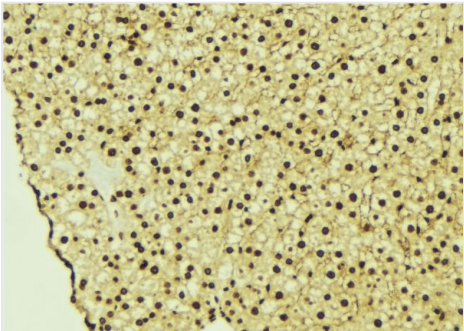
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CASK antibody detects endogenous levels of total CASK
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	898
Applicable Applications for anti-CASK antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CASK
Subcellular Location	Plasma Membrane; Nucleus
Tissue Specificity	Ubiquitous. Expression is significantly greater in brain relative to kidney, lung, and liver and in fetal brain and kidney relative to lung and liver.
Predicted Cross Reactivity	Bovine, Horse, Rabbit, Chicken, Xenopus
Similarity	Bovine (100%), Horse (100%), Rabbit (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of Mouse brain lysate, using CASK Antibody. The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)
Western blot analysis of extracts from mouse brain, using CASK Antibody.



IHC (Immunohistochemistry)
AAA326719 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-CASK antibody

Description: This gene encodes a calcium/calmodulin-dependent serine protein kinase. The encoded protein is a MAGUK (membrane-associated guanylate kinase) protein family member. These proteins are scaffold proteins and the encoded protein is located at synapses in the brain. Mutations in this gene are associated with FG syndrome 4, mental retardation and microcephaly with pontine and cerebellar hypoplasia, and a form of X-linked mental retardation. Multiple transcript variants encoding different isoforms have been found for this gene.

Function: Multidomain scaffolding protein with a role in synaptic transmembrane protein anchoring and ion channel trafficking. Contributes to neural development and regulation of gene expression via interaction with the transcription factor TBR1. Binds to cell-surface proteins, including amyloid precursor protein, neuroligins and syndecans. May mediate a link between the extracellular matrix and the actin cytoskeleton via its interaction with syndecan and with the actin/spectrin-binding protein 4.1.

Subunit Structure: Binds WHRN and NRXN1 cytosolic tail. Interacts with CASKIN1, APBA1, LIN7(A/B/C) and L27 domain of DLG1 and isoform 2 of DLG4 (By similarity). CASK and LIN7 form two mutually exclusive tripartite complexes with APBA1 or CASKIN1 (By similarity). Interacts with FCHSD2. Interacts with TSPYL2. Part of a complex containing CASK, TBR1 and TSPYL2 (By similarity). Identified in a complex with ACTN4, IQGAP1, MAGI2, NPHS1, SPTAN1 and SPTBN1 (By similarity). Interacts with KIRREL3.

Similarity: The first L27 domain binds DLG1 and the second L27 domain probably binds LIN7. The protein kinase domain mediates the interaction with FCHSD2. In the N-terminal section; belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily. Belongs to the MAGUK family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	186700627
NCBI GeneID	8573

NCBI Accession #	NP_001119526.1
NCBI GenBank Nucleotide #	NM_001126054.2
UniProt Accession #	O14936 ; O43215 ; Q17RI4 ; Q59HA0 ; Q5VT16 ; Q5VT17 ; Q5VT18 ; Q5VT19 ; Q66T42 ; Q9BYH6 ; A6NES1 ; B7ZKY0
Molecular Weight	Observed: 105 kDa Predicted: 106 kDa
NCBI Official Full Name	peripheral plasma membrane protein CASK isoform 2
NCBI Official Synonym Full Names	calcium/calmodulin dependent serine protein kinase
NCBI Official Symbol	CASK
NCBI Official Synonym Symbols	CMG; FGS4; LIN2; TNRC8; hCASK; CAGH39; CAMGUK; MICPCH; MRXSNA
NCBI Protein Information	peripheral plasma membrane protein CASK
UniProt Protein Name	Peripheral plasma membrane protein CASK
UniProt Gene Name	CASK
UniProt Synonym Gene Names	LIN2; hCASK

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/cask-antibody-immunohistochemistry-western-blot-elisa/326719>