

Rabbit CASK Polyclonal Antibody | anti-CASK antibody

CASK Antibody (Center K227)

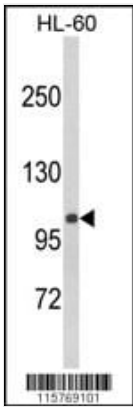
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290697	Rabbit	Human; Predicted Reactivity: Mouse, Rat	ELISA, Western Blot

PRODUCT SYNONYMS

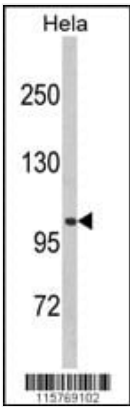
CASK; Polyclonal Antibody; CASK Antibody (Center K227); Peripheral plasma membrane protein CASK; hCASK; Calcium/calmodulin-dependent serine protein kinase; Protein lin-2 homolog; LIN2; anti-CASK antibody

PRODUCT SPECIFICATIONS

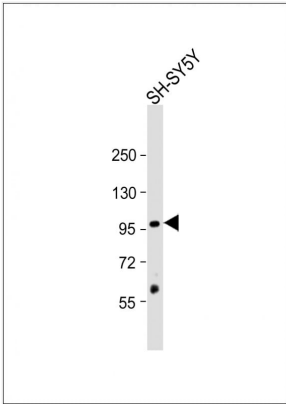
Host	Rabbit
Reactivity	Human; Predicted Reactivity: Mouse, Rat
Clonality	Polyclonal
Isotype	Ig
Specificity	This CASK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 262-291 amino acids from the Central region of human CASK.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Length	898
Applicable Applications for anti-CASK antibody	ELISA, WB (Western Blot)
Subtitle	Purified Rabbit Polyclonal Antibody (Pab)
Cellular Location	Nucleus. Cytoplasm. Cell membrane; Peripheral membrane protein.
Tissue Location	Ubiquitous. Expression is significantly greater in brain relative to kidney, lung, and liver and in fetal brain and kidney relative to lung and liver.
Antigen Region	262-291 aa
Antigen Type	Synthetic Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Western blot analysis of CASK (Center K227) in HL-60 cell line lysates (35ug/lane).CASK (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of CASK (Center K227) in HeLa cell line lysates (35ug/lane).CASK (arrow) was detected using the purified Pab.



WB (Western Blot)
Anti-CASK (Center K227) Antibody at 1:1000 dilution + SH-SY5Y whole cell lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 105 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-CASK antibody	Description: Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The calcium/calmodulin-dependent kinase (CAMK) group consists of 75 kinases regulated by Ca^{2+}/CaM and close relative family (CAMK, CAMKL, DAPK, MAPKAPK). Background: 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, neurexins 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.
Product Categories/Family for anti-CASK antibody	Primary Antibodies; Neuroscience; Signal Transduction
References	Stevenson, D., et al., Mamm. Genome 11 (10):934-937 (2000). Cohen, A.R., et al., J. Cell Biol. 142 (1):129-138 (1998). Daniels, D.L., et al., Nat. Struct. Biol. 5 (4):317-325 (1998).

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	105123 Da
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; 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
UniProt Entry Name	CSKP_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cask-antibody-western-blot-elisa/290697>