

Rabbit CASK Polyclonal Antibody | anti-CASK antibody

CASK Antibody (C-term)

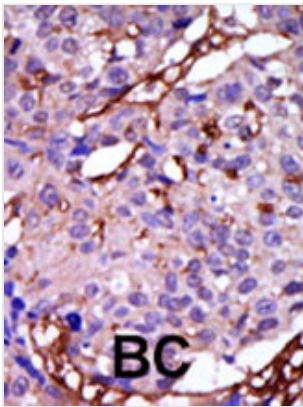
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287883	Rabbit	Human, mouse (Predicted Reactivity: Rat)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

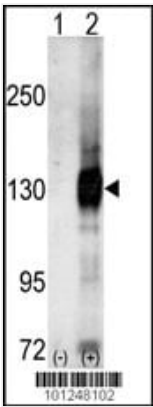
CASK; Polyclonal Antibody; CASK Antibody (C-term); Peripheral plasma membrane protein CASK; hCASK; Calcium/calmodulin-dependent serine protein kinase; Protein lin-2 homolog; LIN2; anti-CASK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CASK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 564-596 amino acids from the C-terminal region of human CASK.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
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.
Concentration	Vial Concentration: 1.57 (varies by lot)
Sequence Positions	564-596
Sequence Length	909
Applicable Applications for anti-CASK antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
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.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of CASK (arrow) using Cask Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CASK gene (Lane 2) (Origene Technologies).

ADDITIONAL INFORMATION

Related Product Information for anti-CASK antibody	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).
Product Categories/Family for anti-CASK antibody	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; NP_001119527.1; NP_003679.2
NCBI GenBank Nucleotide #	NM_001126054.2
UniProt Accession #	O14936; O43215; Q17RI4; Q59HA0; Q5VT16; Q5VT17; Q5VT18; Q5VT19; Q66T42; Q9BYH6; A6NES1; B7ZKY0
Molecular Weight	105123
NCBI Official Full Name	peripheral plasma membrane protein CASK isoform 2
NCBI Official Synonym Full Names	calcium/calmodulin-dependent serine protein kinase (MAGUK family)
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-immunohistochemistry-western-blot-elisa/287883>