

CASKIN1 Antibody

Catalog # ASC11530

Product Information

Application	WB, E
Primary Accession	Q8WXD9
Other Accession	NP_065815 , 18079216
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	149814
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	CASKIN1 antibody can be used for detection of CASKIN1 by Western blot at 1 µg/mL.

Additional Information

Gene ID	57524
Other Names	Caskin-1, CASK-interacting protein 1, CASKIN1, KIAA1306
Target/Specificity	CASKIN1; CASKIN1 antibody is predicted to not cross-react with other CASKIN family members.
Reconstitution & Storage	CASKIN1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	CASKIN1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CASKIN1
Synonyms	KIAA1306
Function	May link the scaffolding protein CASK to downstream intracellular effectors.
Cellular Location	Cytoplasm.

Background

CASKIN1 Antibody: Calcium/calmodulin-dependent serine protein kinase (CASK) is a conserved multi-domain scaffolding protein involved in brain development, synapse formation, and establishment of cell polarity. CASKINs (CASK interacting proteins) interact with CASK and is thought to play a role in CASK function, specifically by coupling CASK to distinct downstream effectors. CASKIN1 is a multidomain protein containing six N-terminal ankyrin repeats, one SH3 domain, and two sterile alpha motif domains followed by a long proline-rich sequence and a short conserved C-terminal domain. CASKIN1 coassembles with CASK on the cytoplasmic tail of neurexin 1, suggesting that CASKIN and CASK coat the cytoplasmic tails of neurexins and other cell-surface proteins.

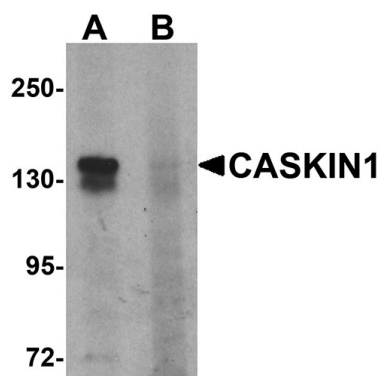
References

Stafford RL, Ear J, Knight MJ, et al. The molecular basis of the Caskin1 and Mint1 interaction with CASK. *J. Mol. Biol.* 2011; 412:3-13.

Weng YL, Liu N, DiAntonio A, et al. The cytoplasmic adaptor protein Caskin mediates Lar signal transduction during *Drosophila* motor axon guidance. *Neurosci.* 2011; 31:4421-33.

Tabuchi K, Biederer T, Butz S, et al. CASK participates in alternative tripartite complexes in which Mint 1 competes for binding with CASKIN1, a novel CASK-binding protein. *J. Neurosci.* 2002; 22:4264-73.

Images



Western blot analysis of CASKIN1 in HeLa cell lysate with CASKIN1 antibody at 1 µg/ml in (A) the absence and (B) the presence of blocking peptide.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.