

p140Cap Polyclonal Antibody

Catalog # AP71674

Product Information

Application	WB, E
Primary Accession	Q9C0H9
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	127105

Additional Information

Gene ID	80725
Other Names	SRCIN1; KIAA1684; P140; SRC kinase signaling inhibitor 1; SNAP-25-interacting protein; SNIP; p130Cas-associated protein; p140Cap
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications. E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

Protein Information

Name	SRCIN1 (HGNC:29506)
Function	Acts as a negative regulator of SRC by activating CSK which inhibits SRC activity and downstream signaling, leading to impaired cell spreading and migration. Regulates dendritic spine morphology. Involved in calcium-dependent exocytosis. May play a role in neurotransmitter release or synapse maintenance.
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:Q9QXY2}. Cytoplasm, cytoskeleton {ECO:0000250 UniProtKB:Q9QXY2}. Cell projection, axon {ECO:0000250 UniProtKB:Q9QXY2}. Cell projection, dendrite {ECO:0000250 UniProtKB:Q9QXY2}. Presynapse {ECO:0000250 UniProtKB:Q9QXY2}. Postsynapse {ECO:0000250 UniProtKB:Q9QXY2}. Postsynaptic density {ECO:0000250 UniProtKB:Q9QXY2}. Note=Localized to the perinuclear region, lamellopodia, cortical actin and actin stress fibers but not to focal adhesions. Strongly expressed in axons and dendrites of the CA1 and CA3 hippocampal regions and of the dentate gyrus. Detected in both presynapses and postsynapses and enriched in postsynaptic density fractions.

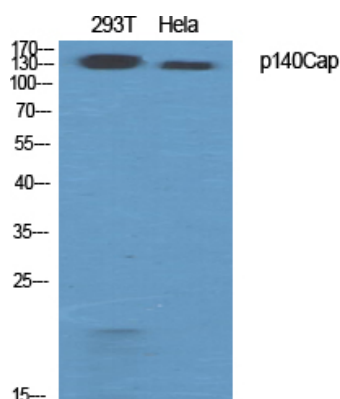
Tissue Location

Expressed in some primary breast carcinomas where its presence is significantly associated with increased tumor size. Not detected in normal breast tissue.

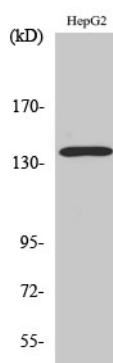
Background

Acts as a negative regulator of SRC by activating CSK which inhibits SRC activity and downstream signaling, leading to impaired cell spreading and migration. Regulates dendritic spine morphology. Involved in calcium-dependent exocytosis. May play a role in neurotransmitter release or synapse maintenance.

Images



Western Blot analysis of various cells using p140Cap Polyclonal Antibody diluted at 1 : 500



Western Blot analysis of HeLa cells using p140Cap Polyclonal Antibody diluted at 1 : 500

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