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RIPX antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10128

Product Information

Application	WB
Primary Accession	Q7L099
Other Accession	Q7L099, NP_055776, NM_014961
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52965

Additional Information

Gene ID	22902
Alias Symbol	RIPX, SINGAR1
Other Names	Protein RUFY3, Rap2-interacting protein x, RIPx, Single axon-regulated protein, Singar, RUFY3, KIAA0871
Target/Specificity	Located on chromosome 4, the RIPX encodes a protein with unknown function.
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-RIPX antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	RIPX antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RUFY3 (HGNC:30285)
Synonyms	KIAA0871
Function	ARL8 effector that promotes the coupling of endolysosomes to dynein-dynactin for retrograde transport along microtubules. Acts by binding both GTP-bound ARL8 and dynein-dynactin. In nonneuronal cells, promotes concentration of endolysosomes in the juxtanuclear area. In hippocampal neurons, drives retrograde transport of endolysosomes from the axon to the

	soma (PubMed:35314674). Plays a role in the generation of neuronal polarity formation and axon growth (By similarity). Implicated in the formation of a single axon by developing neurons (By similarity). May inhibit the formation of additional axons by inhibition of PI3K in minor neuronal processes (By similarity). Plays a role in the formation of F-actin-enriched protrusive structures at the cell periphery (PubMed:25766321). Plays a role in cytoskeletal organization by regulating the subcellular localization of FSCN1 and DBN1 at axonal growth cones (By similarity).
Cellular Location	Cytoplasm. Endomembrane system. Cell projection, invadopodium. Perikaryon {ECO:0000250|UniProtKB:Q9D394}. Cell projection {ECO:0000250|UniProtKB:Q9D394}. Cell projection, growth cone {ECO:0000250|UniProtKB:Q9D394}. Cell projection, filopodium {ECO:0000250|UniProtKB:Q9D394}. Cell projection, lamellipodium {ECO:0000250|UniProtKB:Q9D394}. Lysosome Note=Colocalizes with PAK1, F-actin, myosins and integrins in invadopodia at the cell periphery (PubMed:25766321). Colocalizes with Ras-related Rab-5 proteins in cytoplasmic vesicles (PubMed:20376209) Accumulates in axon growth cones in a F-actin-dependent manner (By similarity). Colocalizes with FSCN1 and F-actin at filipodia and lamellipodia of axonal growth cones (By similarity). Colocalizes with DBN1 and F-actin at transitional domain of the axonal growth cone (By similarity). Recruitment to endolysosomes partially depends upon the presence of ARL8 (PubMed:35314674). {ECO:0000250|UniProtKB:Q5FVJ0, ECO:0000250|UniProtKB:Q9D394, ECO:0000269|PubMed:20376209, ECO:0000269|PubMed:25766321, ECO:0000269|PubMed:35314674}
Tissue Location	Overexpressed in gastric cancer cells and tissues (at protein level) (PubMed:25766321).

Background

This is a rabbit polyclonal antibody against RIPX. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).

Images

RIPX antibody - C-terminal region (AI10128) in Human Jurkat cells using Western Blot
WB Suggested Anti-RIPX Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: Jurkat cell lysate
RUFY3 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells