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RIPX antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10128

Specification

RIPX antibody - C-terminal region - 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	**53 kDa KDa**

RIPX antibody - C-terminal region - 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.

RIPX antibody - C-terminal region - 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).

RIPX antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RIPX antibody - C-terminal region - Images

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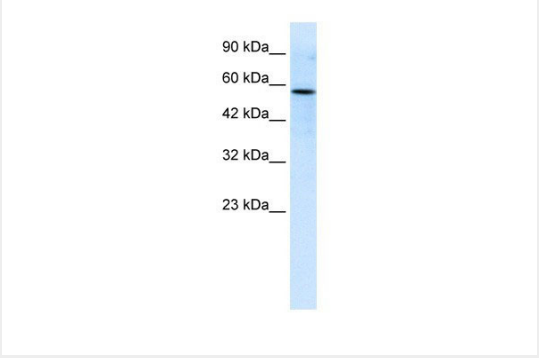

RIPX antibody - C-terminal region (AI10128) in Human Jurkat cells using Western Blot
WB Suggested Anti-RIPX Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: Jurkat cell lysate
RUFY3 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells

RIPX antibody - C-terminal region - 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).