

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

RIPX antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O7L099
Other Accession	O7L099 , NP_055776 , NM_014961
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted Host	Human, Mouse, Rat, Dog, Bovine
Clonality	Rabbit
Calculated MW	Polyclonal 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**

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). Promotes gastric cancer cell migration and invasion in a PAK1-dependent manner (PubMed:25766321).

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}. Note=Colocalizes with PAK1, F-actin, myosins and integrins in invadopodia at the cell periphery (PubMed:25766321). Colocalized with Ras-related Rab-5 proteins in cytoplasmic vesicles (PubMed:20376209). Accumulates in axon growth cones in a F-actin-dependent manner (By similarity). Colocalized with FSCN1 and F-actin at filipodia and lamellipodia of axonal growth cones (By similarity). Colocalized with DBN1 and F-actin at transitional domain of the axonal growth cone (By similarity) {ECO:0000250|UniProtKB:Q5FVJ0, ECO:0000250|UniProtKB:Q9D394, ECO:0000269|PubMed:20376209, ECO:0000269|PubMed:25766321}

Tissue Location

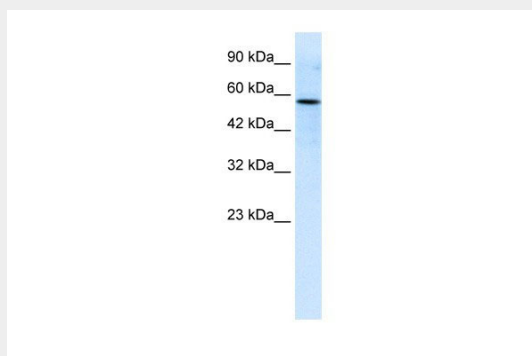
Overexpressed in gastric cancer cells and tissues (at protein level) (PubMed:25766321).

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 Cytometry](#)
- [Cell Culture](#)

RIPX antibody - C-terminal region - 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

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).