

# RIPX antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI10128

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q7L099</a>
<b>Other Accession</b>	<a href="#">Q7L099</a> , <a href="#">NP_055776</a> , <a href="#">NM_014961</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
<b>Predicted</b>	Human, Mouse, Rat, Dog, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	52965

## Additional Information

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<b>Gene ID</b>	22902
<b>Alias Symbol</b>	RIPX, SINGAR1
<b>Other Names</b>	Protein RUFY3, Rap2-interacting protein x, RIPx, Single axon-regulated protein, Singar, RUFY3, KIAA0871
<b>Target/Specificity</b>	Located on chromosome 4, the RIPX encodes a protein with unknown function.
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	RIPX antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	RUFY3 ( <a href="#">HGNC:30285</a> )
<b>Synonyms</b>	KIAA0871
<b>Function</b>	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 juxtannuclear 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}

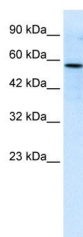
### Tissue Location

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](mailto: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

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