

**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**

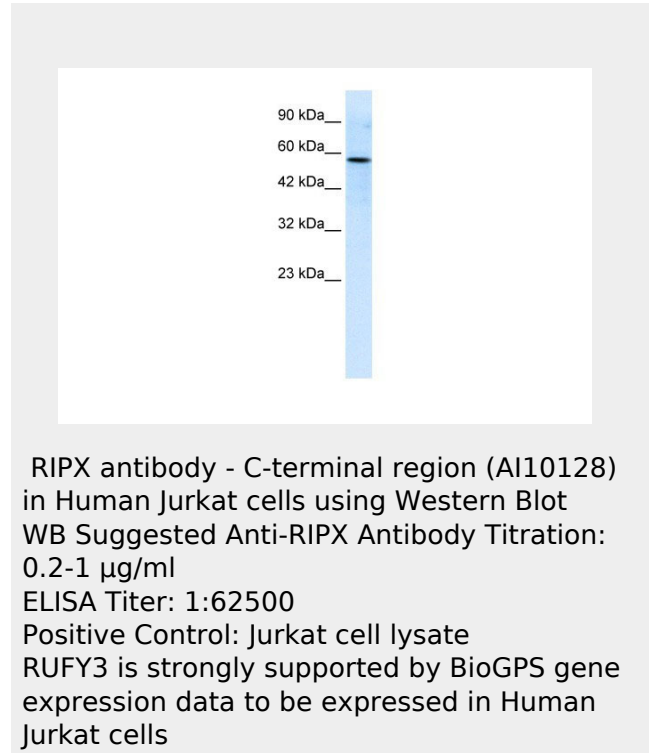
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**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



**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).

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:<a href="http://www.uniprot.org/citations/25766321" target="\_blank">25766321</a>). 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:<a href="http://www.uniprot.org/citations/25766321" target="\_blank">25766321</a>).

#### **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](#)