

For Research Use Only

# RIC8A Polyclonal antibody

Catalog Number: 11138-1-AP **2 Publications**



## Basic Information

|  |  |   |
|--|--|---|
| <b>Catalog Number:</b><br>11138-1-AP       | <b>GenBank Accession Number:</b><br>BC011821   | <b>Purification Method:</b><br>Antigen affinity purification        |
| <b>Size:</b><br>350 µg/ml                  | <b>GeneID (NCBI):</b><br>60626   | <b>Recommended Dilutions:</b><br>WB 1:1000-1:5000<br>IHC 1:20-1:200 |
| <b>Source:</b><br>Rabbit                   | <b>UNIPROT ID:</b><br>Q9NPQ8   |   |
| <b>Isotype:</b><br>IgG                     | <b>Full Name:</b><br>resistance to inhibitors of<br>cholinesterase 8 homolog A (C.<br>elegans) |   |
| <b>Immunogen Catalog Number:</b><br>AG1593 | <b>Calculated MW:</b><br>60 kDa  |   |
|  | <b>Observed MW:</b><br>58-62 kDa   |   |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>IHC, WB, ELISA    | <b>Positive Controls:</b><br>WB : BxPC-3 cells, human brain tissue, Jurkat cells<br>IHC : human pancreas cancer tissue, |
| <b>Cited Applications:</b><br>WB, IHC            |   |
| <b>Species Specificity:</b><br>human, mouse, rat |   |
| <b>Cited Species:</b><br>human, mouse            |   |

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

RIC8A, also named as synembryn-A, is a Guanine nucleotide exchange factor (GEF), which can activate some, but not all, G-alpha proteins by exchanging bound GDP for free GTP. It is involved in regulation of microtubule pulling forces during mitotic movement of chromosomes by stimulating G(i)-alpha protein, possibly leading to release G(i)-alpha-GTP and NuMA proteins from the NuMA-GPSM2-G(i)-alpha-GDP complex. RIC8A also acts as an activator for G(q)-alpha (GNAQ) protein by enhancing the G(q)-coupled receptor-mediated ERK activation.

## Notable Publications

| Author          | Pubmed ID | Journal                  | Application |
|-----------------|-----------|--------------------------|-------------|
| Fenech Claire C | 19847316  | Front Cell Neurosci      | WB, IHC     |
| Yunfan Yang     | 24469800  | Proc Natl Acad Sci U S A | WB          |

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

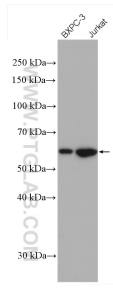
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

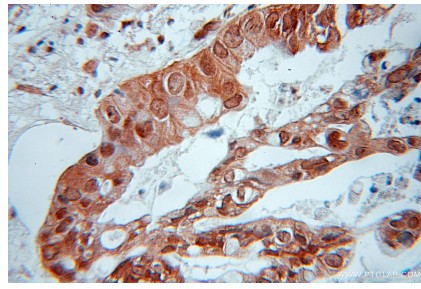
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## Selected Validation Data



BxPC-3 cells and Jurkat cells were subjected to SDS PAGE followed by western blot with 11138-1-AP (RIC8A antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 11138-1-AP (RIC8A antibody) at dilution of 1:50 (under 10x lens).