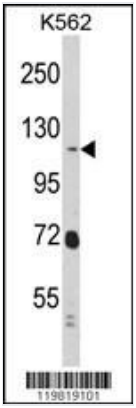
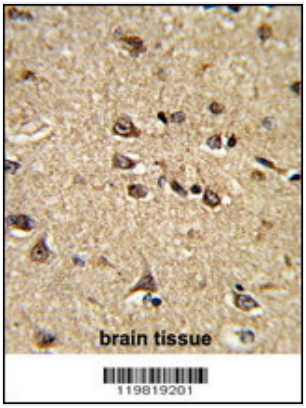
RASIP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

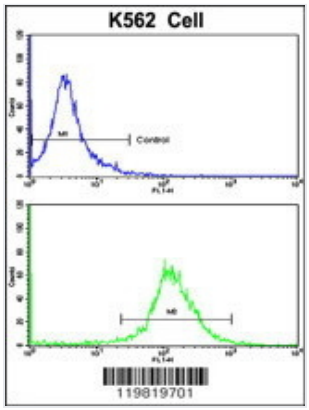
Product Name	RASIP1, Polyclonal Antibody
Full Product Name	RASIP1, ID (Ras-interacting Protein 1, Rain)
Product Gene Name	anti-RASIP1 antibody
Product Synonym Names	Anti -RASIP1, ID (Ras-interacting Protein 1, Rain)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, 0.09% sodium azide.
Purity/Purification	Purified Purified by ammonium sulfate precipitation.
Specificity	Recognizes human RASIP1.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	103,457 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (49223842..49243970, complement). Location: 19q13.33
OMIM	609623
3D Structure	ModBase 3D Structure for Q5U651
Immunogen	Synthetic peptide selected from the Center region of human RASIP1 (KLH).
Product Categories/Family for anti-RASIP1 antibody	Antibodies; Abs to GTPase; Rab; Ras; Rho Proteins
Applications Tested/Suitable for anti-RASIP1 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-RASIP1 antibody	Suitable for use in ELISA and Western Blot. Dilution: ELISA: 1:1,000 Western Blot: 1:50-1:100
Related Product Information for anti-RASIP1 antibody	RASIP1 may act as effector for Golgi-bound HRAS and other Ras-like proteins. May promote HRAS-mediated transformation.
Other Notes	Small volumes of anti-RASIP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RASIP1 purchase	MBS624434 is an antibody targeting RASIP1. Also known as RASIP1, ID (Ras-interacting Protein 1, Rain). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-RASIP1 antibody
Western blot analysis of RASIP1 Antibody (Center) in K562 cell line lysates (35ug/lane). RASIP1 (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-RASIP1 antibody
Formalin-fixed and paraffin-embedded human brain tissue reacted with RASIP1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-RASIP1 antibody
Flow cytometric analysis of K562 cells using RASIP1 Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RASIP1. It may not necessarily be applicable to this product.

NCBI GI #	38570105
NCBI GeneID	54922
NCBI Accession #	NP_060275.2
UniProt Primary Accession #	Q5U651
UniProt Secondary Accession #	Q6U676
UniProt Related Accession #	Q5U651; Q8IUR2; Q9NX72
GenBank Nucleotide #	NM_017805.2
NCBI Official Full Name	ras-interacting protein 1
NCBI Official Synonym Full Names	Ras interacting protein 1
NCBI Official Symbol	RASIP1
NCBI Official Synonym Symbols	RAIN; FLJ20401
UniProt Protein Name	Ras-interacting protein 1
Protein Family	Ras-interacting protein

UniProt Gene Name	RASIP1
UniProt Entry Name	RAIN_HUMAN
NCBI Protein Information	ras-interacting protein 1
UniProt Comments for RASIP1	RASIP1: Required for the proper formation of vascular structures that develop via both vasculogenesis and angiogenesis. Acts as a critical and vascular-specific regulator of GTPase signaling, cell architecture, and adhesion, which is essential for endothelial cell morphogenesis and blood vessel tubulogenesis. Regulates the activity of Rho GTPases in part by recruiting ARHGAP29 and suppressing RhoA signaling and dampening ROCK and MYH9 activities in endothelial cells. May act as effector for Golgi-bound HRAS and other Ras-like proteins. May promote HRAS- mediated transformation. Negative regulator of amino acid starvation-induced autophagy. Protein type: GAPs; Cell cycle regulation; GAPs, Ras Chromosomal Location of Human Ortholog: 19q13.33 Cellular Component: Golgi stack; perinuclear region of cytoplasm Biological Process: negative regulation of autophagy; branching morphogenesis of a tube; angiogenesis; vasculogenesis; signal transduction
Research Articles on RASIP1	**1.** Observational study and genome-wide association study of gene-disease association. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/rasip1/624434