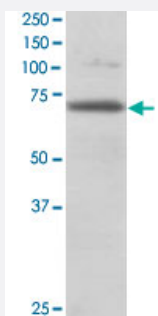


RANGAP1 polyclonal antibody

Catalog # PAB6571

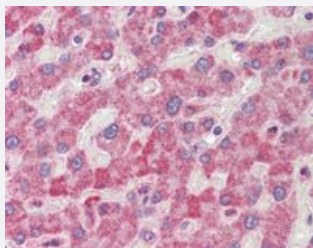
Size 100 ug

Applications



Western Blot (Cell lysate)

RANGAP1 polyclonal antibody (Cat # PAB6571) staining (0.2 ug/mL) of NIH/3T3 lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

RANGAP1 polyclonal antibody (Cat # PAB6571) (2.5 ug/mL) staining of paraffin embedded human liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of RANGAP1.
Immunogen	A synthetic peptide corresponding to human RANGAP1.
Sequence	ASE DIAKLAETLAK-C
Host	Goat
Theoretical MW (kDa)	63.5
Reactivity	Human, Mouse

Specificity	In mouse, there is a hypothetical protein called "similar to RANGAP1" (XP_139737.2) that is virtually identical.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:32000) Western blot (0.1-0.5 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — RANGAP1

Entrez GeneID	5905
Protein Accession#	NP_002874
Gene Name	RANGAP1
Gene Alias	Fug1, KIAA1835, MGC20266, SD

Gene Description	Ran GTPase activating protein 1
Omim ID	602362
Gene Ontology	Hyperlink
Gene Summary	<p>RanGAP1, is a homodimeric 65-kD polypeptide that specifically induces the GTPase activity of RAN, but not of RAS by over 1,000-fold. RanGAP1 is the immediate antagonist of RCC1, a regulator molecule that keeps RAN in the active, GTP-bound state. The RANGAP1 gene encodes a 587-amino acid polypeptide. The sequence is unrelated to that of GTPase activators for other RAS-related proteins, but is 88% identical to Fug1, the murine homolog of yeast Rna1p. RanGAP1 and RCC1 control RAN-dependent transport between the nucleus and cytoplasm. RanGAP1 is a key regulator of the RAN GTP/GDP cycle. [provided by RefSeq]</p>
Other Designations	OTTHUMP00000028918 segregation distorter homolog segregation distortion

Publication Reference

- [Human RanGTPase-activating protein RanGAP1 is a homologue of yeast Rna1p involved in mRNA processing and transport.](#)

Bischoff FR, Krebber H, Kempf T, Hermes I, Ponstingl H.

PNAS 1995 Feb; 92(5):1749.

Application: WB-Ce, WB-Tr, Human, Mammalian cells