

Rabbit anti-Human, Mouse RANBP1 Polyclonal Antibody | anti-RANBP1 antibody

RANBP1 Antibody

CATALOG # AAA327475	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Western Blot
-------------------------------	-----------------------	-----------------------------------	--

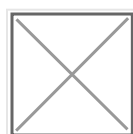
PRODUCT SYNONYMS

RANBP1; Polyclonal Antibody; RANBP1 Antibody; HTF9A; RAN binding protein 1; Ran specific GTPase activating protein; Ran-binding protein 1; Ran-specific GTPase-activating protein; RANG_HUMAN; anti-RANBP1 antibody

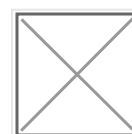
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	RANBP1 antibody detects endogenous levels of total RANBP1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	278
Applicable Applications for anti-RANBP1 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human RANBP1
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (92%), Sheep (92%), Rabbit (92%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of RANBP1 using MCF7 whole cell lysates


WB (Western Blot)

Western blot analysis of extracts from mouse lung, using RANBP1 Antibody. Lane 1 was treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-RANBP1 antibody	Function: Plays a role in RAN-dependent nucleocytoplasmic transport. Alleviates the TNPO1-dependent inhibition of RAN GTPase activity and mediates the dissociation of RAN from proteins involved in transport into the nucleus (By similarity). Induces a conformation change in the complex formed by XPO1 and RAN that triggers the release of the nuclear export signal of cargo proteins (PubMed:20485264). Promotes the disassembly of the complex formed by RAN and importin beta. Promotes dissociation of RAN from a complex with KPNA2 and CSE1L (By similarity). Required for normal mitotic spindle assembly and normal progress through mitosis via its effect on RAN (PubMed:17671426). Does not increase the RAN GTPase activity by itself, but increases GTP hydrolysis mediated by RANGAP1 (PubMed:7882974). Inhibits RCC1-dependent exchange of RAN-bound GDP by GTP (PubMed:7882974, PubMed:7616957). Subunit Structure: Interacts with RAN (via C-terminus of GTP-bound form) but not with GDP-bound RAN (PubMed:7882974, PubMed:7891706, PubMed:8896452). Identified in a complex composed of RAN, RANGAP1 and RANBP1 (PubMed:16428860, PubMed:11832950). Identified in a complex that contains TNPO1, RAN and RANBP1. Identified in a complex that contains CSE1L, KPNA2, RAN and RANBP1 (By similarity). Identified in a complex with nucleotide-free RAN and RCC1 (PubMed:7882974, PubMed:7616957). Similarity: Belongs to the RANBP1 family.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	520975477
NCBI GeneID	5902
NCBI Accession #	NP_001265568.1
NCBI GenBank Nucleotide #	NM_001278639.1
UniProt Accession #	P43487; Q53EY3
Molecular Weight	Observed: 23 kDa Predicted: 24 kDa
NCBI Official Full Name	ran-specific GTPase-activating protein isoform 1
NCBI Official Synonym Full Names	RAN binding protein 1
NCBI Official Symbol	RANBP1
NCBI Official Synonym Symbols	HTF9A
NCBI Protein Information	ran-specific GTPase-activating protein
UniProt Protein Name	Ran-specific GTPase-activating protein
UniProt Gene Name	RANBP1
UniProt Synonym Gene Names	RanBP1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ranbp1-antibody-western-blot-elisa/327475>