

Rabbit anti-Human RANGAP1 Polyclonal Antibody | anti-RANGAP1 antibody

RANGAP1 Antibody (N-term)

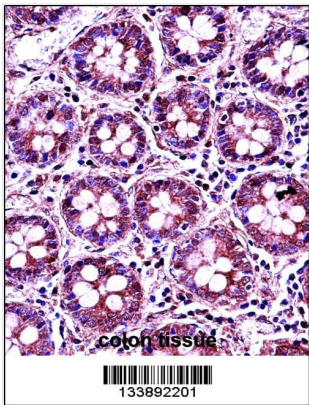
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289508	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

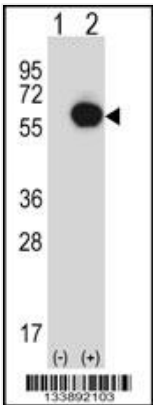
RANGAP1; Polyclonal Antibody; RANGAP1 Antibody (N-term); Ran GTPase-activating protein 1; RanGAP1; KIAA1835; SD; anti-RANGAP1 antibody

PRODUCT SPECIFICATIONS

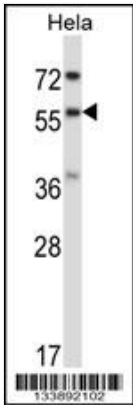
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This RANGAP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 20-49 amino acids from the N-terminal region of human RANGAP1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.45 (varies by lot)
Sequence Positions	20-49
Sequence Length	587
Applicable Applications for anti-RANGAP1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemisry)
RANGAP1 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of RANGAP1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of RANGAP1 (arrow) using rabbit polyclonal RANGAP1 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the RANGAP1 gene.



WB (Western Blot)
RANGAP1 Antibody (N-term) western blot analysis in HeLa cell line lysates (35ug/lane).This demonstrates the RANGAP1 antibody detected the RANGAP1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-RANGAP1 antibody	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.
Product Categories/Family for anti-RANGAP1 antibody	Cell Biology
References	Zhang, J., et al. Biochem. Biophys. Res. Commun. 375(2):252-255(2008) Zuccolo, M., et al. EMBO J. 26(7):1853-1864(2007) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) : Vertegaal, A.C., et al. Mol. Cell Proteomics 5(12):2298-2310(2006) Vertegaal, A.C., et al. Mol. Cell Proteomics 5(12):2298-2310(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	520975387
NCBI GeneID	5905
NCBI Accession #	NP_001265580.1; NP_002874.1
NCBI GenBank Nucleotide #	NM_001278651.1
UniProt Accession #	P46060; Q96JJ2
Molecular Weight	63542
NCBI Official Full Name	ran GTPase-activating protein 1
NCBI Official Synonym Full Names	Ran GTPase activating protein 1
NCBI Official Symbol	RANGAP1
NCBI Official Synonym Symbols	SD; Fug1; RANGAP
NCBI Protein Information	ran GTPase-activating protein 1
UniProt Protein Name	Ran GTPase-activating protein 1
UniProt Gene Name	RANGAP1
UniProt Synonym Gene Names	KIAA1835; SD; RanGAP1
UniProt Entry Name	RAGP1_HUMAN

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/rangap1-antibody-immunohistochemistry-western-blot-elisa/289508>