

Mouse RanGAP1 Monoclonal Antibody | anti-RanGAP1 antibody

RanGAP1 antibody

CATALOG # AAA106810	HOST Mouse	APPLICATIONS Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay
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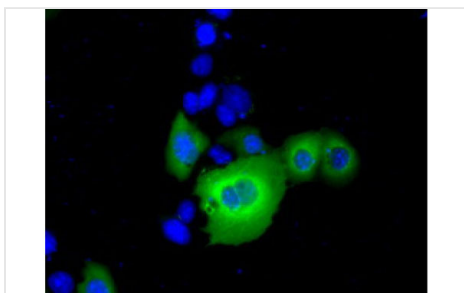
PRODUCT SYNONYMS

RanGAP1; Monoclonal Antibody; RanGAP1 antibody; Monoclonal RanGAP1; Anti-RanGAP1; Ran Gtpase Activating Protein 1; Fug1; KIAA1835; MGC20266; SD; RanGAP 1; RanGAP-1; anti-RanGAP1 antibody

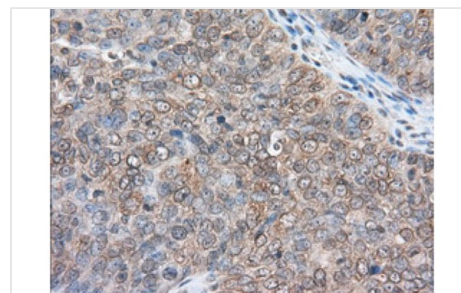
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	1B4
Purity/Purification	RanGAP1 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	587
Applicable Applications for anti-RanGAP1 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	RanGAP1, is a homodimeric 65 kDa 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.
Cross-Reactivity	Human, Dog, Rat
Immunogen	RanGAP1 antibody was raised in mouse using a full length recombinant protein of human RanGAP1 (NP_002874) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

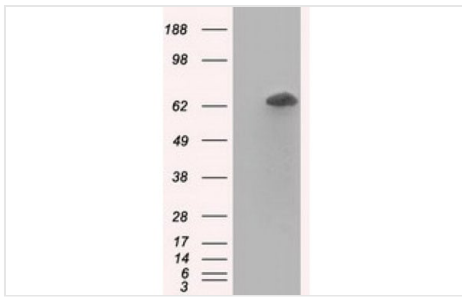
IMAGES


IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant RanGAP1 protein using RanGAP1 antibody


IHC (Immunohistochemistry)

Immunohistochemical analysis of RanGAP1 protein in paraffin embedded Adenocarcinoma of Human ovary tissue using RanGAP1 antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant RanGAP1 protein (Right) or empty vector (Left) detected with RanGAP1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-RanGAP1 antibody	Mouse monoclonal RanGAP1 antibody
Product Categories/Family for anti-RanGAP1 antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506411
NCBI GeneID	5905
NCBI Accession #	NP_002874
NCBI GenBank Nucleotide #	NM_002883.2
UniProt Accession #	P46060; Q96JJ2
Molecular Weight	63,542 Da
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.