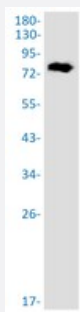


RecomAb™

# RANGAP1 recombinant monoclonal antibody, clone R03-1F8

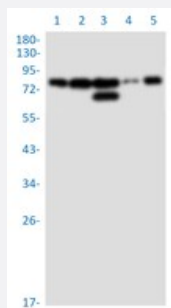
Catalog # RAB04455      Size 100 uL

## Applications



### Western Blot

Western blot analysis of 3T3 whole cell lysate with RANGAP1 recombinant monoclonal antibody, clone R03-1F8 (Cat # RAB04455).



### Western Blot

Western blot analysis of Lane 1: HeLa whole cell lysate, Lane 2: A549 whole cell lysate, Lane 3: HL-60 whole cell lysate, Lane 4: U2OS whole cell lysate and Lane 5: C6 whole cell lysate with RANGAP1 recombinant monoclonal antibody, clone R03-1F8 (Cat # RAB04455).

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human RANGAP1.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against a synthetic peptide corresponding to human RANGAP1.
<b>Theoretical MW (kDa)</b>	Calculated MW: 64 kD
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form</b>	Liquid

Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:100) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, 150mM NaCl, pH 7.4 (40% glycerol, 0.05% BSA and 0.01% Sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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

- Western Blot

Western blot analysis of 3T3 whole cell lysate with RANGAP1 recombinant monoclonal antibody, clone R03-1F8 (Cat # RAB04455).

- Western Blot

Western blot analysis of Lane 1: HeLa whole cell lysate, Lane 2: A549 whole cell lysate, Lane 3: HL-60 whole cell lysate, Lane 4: U2OS whole cell lysate and Lane 5: C6 whole cell lysate with RANGAP1 recombinant monoclonal antibody, clone R03-1F8 (Cat # RAB04455).

- Immunohistochemistry

- Immunocytochemistry

- Immunofluorescence

- Immunoprecipitation

## Gene Info — RANGAP1

Entrez GeneID [5905](#)

Protein Accession# [P46060](#)

Gene Name	RANGAP1
Gene Alias	Fug1, KIAA1835, MGC20266, SD
Gene Description	Ran GTPase activating protein 1
Omim ID	<a href="#">602362</a>
Gene Ontology	<a href="#">Hyperlink</a>
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