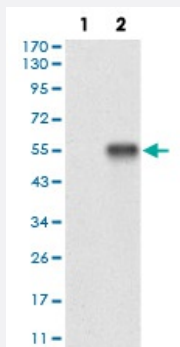


# RANGAP1 monoclonal antibody, clone 4F9E2

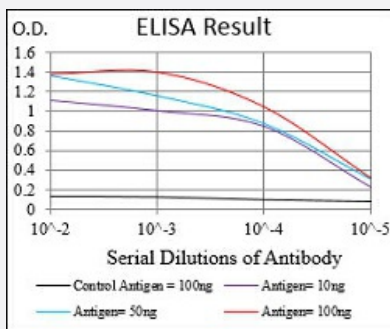
Catalog # MAB16611      Size 100 ug

## Applications



### Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: RANGAP1-hlgGFc transfected HEK293 cell with RANGAP1 monoclonal antibody.



### Enzyme-linked Immunoabsorbent Assay

ELISA analysis of RANGAP1 monoclonal antibody, clone 4F9E2.

## Specification

|                      |                                                                                                |
|----------------------|------------------------------------------------------------------------------------------------|
| Product Description  | Mouse monoclonal antibody raised against recombinant human RANGAP1.                            |
| Immunogen            | Recombinant protein corresponding to amino acid 359-587 of human RANGAP1 from <i>E. coli</i> . |
| Host                 | Mouse                                                                                          |
| Theoretical MW (kDa) | 63.5                                                                                           |
| Reactivity           | Human                                                                                          |
| Form                 | Liquid                                                                                         |
| Isotype              | IgG1                                                                                           |

|                            |                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Recommend Usage</b>     | ELISA (1:10000)<br>Western Blot (1:500-1:2000)<br>The optimal working dilution should be determined by the end user.   |
| <b>Storage Buffer</b>      | In PBS (0.05% sodium azide).                                                                                           |
| <b>Storage Instruction</b> | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                 |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

## Applications

- Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: RANGAP1-hlgGfC transfected HEK293 cell with RANGAP1 monoclonal antibody.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of RANGAP1 monoclonal antibody, clone 4F9E2.

## Gene Info — RANGAP1

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Entrez GeneID</b>      | <a href="#">5905</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Gene Name</b>          | RANGAP1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Gene Alias</b>         | Fug1, KIAA1835, MGC20266, SD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Gene Description</b>   | Ran GTPase activating protein 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Omim ID</b>            | <a href="#">602362</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Ontology</b>      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene Summary</b>       | 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] |
| <b>Other Designations</b> | OTTHUMP00000028918 segregation distorter homolog segregation distortion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |