

## Rabbit EEA1 Polyclonal Antibody | anti-EEA1 antibody

EEA1 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                            |
|-----------|--------|-------------------|---------------------------------------------------------|
| AAA311942 | Rabbit | Human, Mouse, Rat | Immunohistochemistry, Immunocytochemistry, Western Blot |

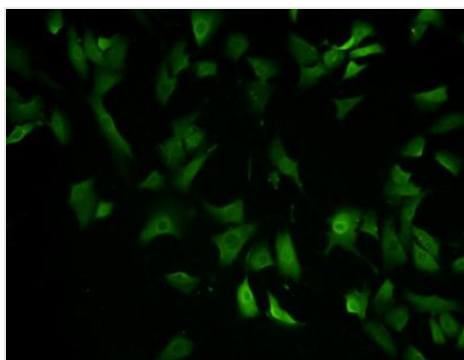
### PRODUCT SYNONYMS

EEA1; Polyclonal Antibody; EEA1 Antibody; Early endosome antigen 1 antibody; Early endosome antigen 1; 162kD antibody; Early endosome associated protein antibody; EEA 1 antibody; EEA1 antibody; EEA1\_HUMAN antibody; Endosome associated protein p162 antibody; Endosome-associated protein p162 antibody; MST105 antibody; MSTP105 antibody; ZFYVE2 antibody; Zinc finger FYVE domain containing protein 2 antibody; Zinc finger FYVE domain-containing protein 2 antibody; anti-EEA1 antibody

### PRODUCT SPECIFICATIONS

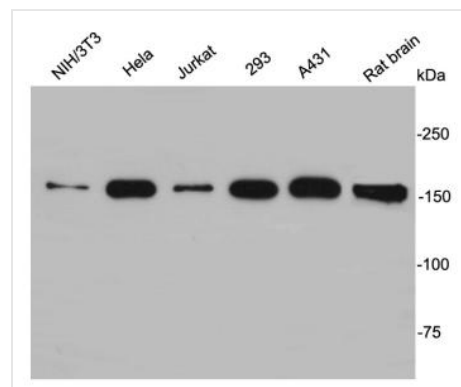
|                                                |                                                                          |
|------------------------------------------------|--------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                   |
| Reactivity                                     | Human, Mouse, Rat                                                        |
| Clonality                                      | Polyclonal                                                               |
| Purity/Purification                            | Peptide affinity purified                                                |
| Form/Format                                    | 1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.   |
| Applicable Applications for anti-EEA1 antibody | IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot) |
| Immunogen                                      | Peptide                                                                  |
| Conjugation                                    | Unconjugated                                                             |
| Preparation and Storage                        | Store at -20 degree C.                                                   |

### IMAGES



#### ICC (Immunocytochemistry)

ICC staining EEA1 in NIH/3T3 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



#### WB (Western Blot)

Western blot analysis on different cell lysates using anti-EEA1 rabbit polyclonal antibodies.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-EEA1 antibody | EEA1 localizes exclusively to early endosomes and has an important role in endosomal trafficking. EEA1 binds directly to the phospholipid phosphatidylinositol 3-phosphate through its C-terminal FYVE domain and forms a homodimer through a coiled coil. EEA1 acts as a tethering molecule that couples vesicle docking with SNAREs such as N-ethylmaleimide sensitive fusion protein, bringing the endosomes physically closer and ultimately resulting in the fusion and delivery of endosomal cargo. Due to the proteins importance in vesicular trafficking, a number of intracellular bacteria prevent EEA1 recruitment to the vacuole. Mycobacterium tuberculosis is known to inhibit the recruitment of EEA1 to the phagosomal membrane through CamKII. |
| Product Categories/Family for anti-EEA1 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 110227599                                                                                                                                                                    |
| NCBI GeneID                      | 8411                                                                                                                                                                         |
| NCBI Accession #                 | NP_003557.2                                                                                                                                                                  |
| NCBI GenBank Nucleotide #        | NM_003566                                                                                                                                                                    |
| UniProt Accession #              | Q15075; Q14221                                                                                                                                                               |
| Molecular Weight                 | 162,466 Da                                                                                                                                                                   |
| NCBI Official Full Name          | Homo sapiens early endosome antigen 1 (EEA1), mRNA                                                                                                                           |
| NCBI Official Synonym Full Names | early endosome antigen 1                                                                                                                                                     |
| NCBI Official Symbol             | EEA1                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | MST105; ZFYVE2; MSTP105                                                                                                                                                      |
| NCBI Protein Information         | early endosome antigen 1; early endosome antigen 1, 162kD; early endosome-associated protein; endosome-associated protein p162; zinc finger FYVE domain-containing protein 2 |
| UniProt Protein Name             | Early endosome antigen 1                                                                                                                                                     |
| UniProt Gene Name                | EEA1                                                                                                                                                                         |
| UniProt Synonym Gene Names       | ZFYVE2                                                                                                                                                                       |
| UniProt Entry Name               | EEA1_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/eea1-antibody-immunohistochemistry-immunocytochemistry-western-blot-elisa/311942>