

## Anti-MARCH1 antibody

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| <b>Description</b>        | Rabbit polyclonal to MARCH1.  |
| <b>Model</b>              | STJ94007  |
| <b>Host</b>               | Rabbit  |
| <b>Reactivity</b>         | Human   |
| <b>Applications</b>       | ELISA, IHC  |
| <b>Immunogen</b>          | Synthesized peptide derived from human 40603.   |
| <b>Immunogen Region</b>   | Internal  |
| <b>Gene ID</b>            | <a href="#">55016</a>   |
| <b>Gene Symbol</b>        | <a href="#">36951</a>   |
| <b>Dilution range</b>     | IHC 1:100-1:300ELISA 1:40000  |
| <b>Specificity</b>        | MARCH1 Polyclonal Antibody detects endogenous levels of 40603 protein.  |
| <b>Tissue Specificity</b> | Expressed in antigen presenting cells, APCs, located in lymph nodes and spleen. Also expressed in lung. Expression is high in follicular B-cells, moderate in dendritic cells and low in splenic T-cells. |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.   |
| <b>Note</b>               | For Research Use Only (RUO).  |
| <b>Protein Name</b>       | E3 ubiquitin-protein ligase MARCH1 Membrane-associated RING finger protein 1 Membrane-associated RING-CH protein I MARCH-I RING finger protein 171 RING-type E3 ubiquitin transferase MARCH1              |

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| <b>Molecular Weight</b>                 | 32.308 kDa   |
| <b>Clonality</b>                        | Polyclonal   |
| <b>Conjugation</b>                      | Unconjugated   |
| <b>Isotype</b>                          | IgG  |
| <b>Formulation</b>                      | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Concentration</b>                    | 1 mg/ml  |
| <b>Storage Instruction</b>              | Store at -20°C, and avoid repeat freeze-thaw cycles.   |
| <b>Database Links</b>                   | <a href="https://www.ncbi.nlm.nih.gov/RefSeq/record/MIM:613331">HGNC:26077OMIM:613331</a>  |
| <b>Alternative Names</b>                | E3 ubiquitin-protein ligase MARCH1 Membrane-associated RING finger protein 1 Membrane-associated RING-CH protein I MARCH-I RING finger protein 171 RING-type E3 ubiquitin transferase MARCH1   |
| <b>Function</b>                         | E3 ubiquitin-protein ligase that mediates ubiquitination of TFRC, CD86, FAS and MHC class II proteins, such as HLA-DR alpha and beta, and promotes their subsequent endocytosis and sorting to lysosomes via multivesicular bodies. By constitutively ubiquitinating MHC class II proteins in immature dendritic cells, down-regulates their cell surface localization thus sequestering them in the intracellular endosomal system. |
| <b>Sequence and Domain Family</b>       | The RING-CH-type zinc finger domain is required for E3 ligase activity.  |
| <b>Cellular Localization</b>            | Golgi apparatus, trans-Golgi network membrane Lysosome membrane Cytoplasmic vesicle membrane Late endosome membrane Early endosome membrane Cell membrane  |
| <b>Post-translational Modifications</b> | Has a short half-life. Instability/short half-life permits rapid changes that allow efficient induction of antigen presentation once antigen presenting cells, APCs, receive maturation signals. Small changes in protein levels significantly alter the cell surface display of MHC class II proteins .   |