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MARCH-I Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF2696a

Specification

MARCH-I Antibody (internal region) - Product Information

Application	**E**
Primary Accession	Q8TCQ1
Other Accession	NP_060393.1, 55016, 72925 (mouse), 361135 (rat)
Predicted	**Human, Mouse, Rat**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**32308**

MARCH-I Antibody (internal region) - Additional Information

Gene ID 55016

Other Names
E3 ubiquitin-protein ligase MARCH1, 6.3.2.-, Membrane-associated RING finger protein 1, Membrane-associated RING-CH protein I, MARCH-I, RING finger protein 171, MARCH1, RNF171

Dilution
E~~N/A

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
MARCH-I Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

MARCH-I Antibody (internal region) - Protein Information

Name MARCHF1 (HGNC:26077)

Synonyms MARCH1, RNF171

Function
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 (PubMed:18389477, PubMed:18305173, PubMed:21220452, PubMed:35045264). 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. Also regulates insulin sensitivity by controlling surface expression of the insulin receptor subunit beta/INSR by direct ubiquitination and degradation (PubMed:27577745).

Cellular Location
Golgi apparatus, trans-Golgi network membrane {ECO:0000250|UniProtKB:Q6NZQ8}; Multi-pass membrane protein. Lysosome membrane; Multi- pass membrane protein. Cytoplasmic vesicle membrane; Multi-pass membrane protein. Late endosome membrane; Multi-pass membrane protein. Early endosome membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

Tissue Location
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.

MARCH-I Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MARCH-I Antibody (internal region) - Images

MARCH-I Antibody (internal region) - References

Novel regulation of MHC class II function in B cells. Matsuki Y, Ohmura-Hoshino M, Goto E, Aoki M, Mito-Yoshida M, Uematsu M,
Hasegawa T, Koseki H, Ohara O, Nakayama M, Toyooka K, Matsuoka K, Hotta H,
Yamamoto A, Ishido S. EMBO J. 2007 Feb 7;26(3):846-54. PMID: 17255932