

**MARCH-I Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF2696a

**Specification**

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**MARCH-I Antibody (internal region) - Product Information**

Application	E
Primary Accession	<a href="#">O8TCQ1</a>
Other Accession	<a href="#">NP_060393.1</a> , <a href="#">55016</a> , <a href="#">72925 (mouse)</a> , <a href="#">361135 (rat)</a>
Predicted Host	Human, Mouse, Rat
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	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

**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. 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.

#### **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 Cytometry](#)
- [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