

MARCH2 / MARCH-II Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2654a

Specification

MARCH2 / MARCH-II Antibody (internal region) - Product Information

Application	E
Primary Accession	O9PON8
Other Accession	NP_001005415.1 , NP_001005416.1 , NP_057580.3 , 51257
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	26995

MARCH2 / MARCH-II Antibody (internal region) - Additional Information

Gene ID 51257

Other Names

E3 ubiquitin-protein ligase MARCH2, 6.3.2.-, Membrane-associated RING finger protein 2, Membrane-associated RING-CH protein II, MARCH-II, RING finger protein 172, MARCH2, RNF172

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

MARCH2 / MARCH-II Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

MARCH2 / MARCH-II Antibody (internal region) - Protein Information

Name MARCHF2 ([HGNC:28038](#))

Synonyms MARCH2, RNF172

Function

E3 ubiquitin-protein ligase that may mediate ubiquitination of TFRC and CD86, and promote their subsequent endocytosis and sorting to lysosomes via multivesicular bodies. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates (PubMed:<a

<http://www.uniprot.org/citations/14722266> target="_blank">14722266, PubMed:16428329. Together with GOPC/CAL mediates the ubiquitination and lysosomal degradation of CFTR (PubMed:23818989). Ubiquitinates and therefore mediates the degradation of DLG1 (PubMed:17980554). Regulates the intracellular trafficking and secretion of alpha1-antitrypsin/SERPINA1 and HP/haptoglobin via ubiquitination and degradation of the cargo receptor ERGIC3 (PubMed:31142615). Negatively regulates the antiviral and antibacterial immune response by repression of the NF-kB and type 1 IFN signaling pathways, via MARCHF2-mediated K48-linked polyubiquitination of IKBKG/NEMO, resulting in its proteasomal degradation (PubMed:32935379). May be involved in endosomal trafficking through interaction with STX6 (PubMed:15689499).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q5I0I2}. Lysosome membrane; Multi-pass membrane protein. Endosome membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q5I0I2}. Golgi apparatus membrane; Multi-pass membrane protein. Cytoplasm. Cell membrane; Multi-pass membrane protein

Tissue Location

Broadly expressed..

MARCH2 / MARCH-II 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](#)

MARCH2 / MARCH-II Antibody (internal region) - Images

MARCH2 / MARCH-II Antibody (internal region) - References

MARCH-II is a syntaxin-6-binding protein involved in endosomal trafficking. Nakamura N, Fukuda H, Kato A, Hirose S. Mol Biol Cell. 2005 Apr;16(4):1696-710. Epub 2005 Feb 2. PMID: 15689499