

MARCH8 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59231**Specification**

MARCH8 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q5T0T0
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32965

MARCH8 Polyclonal Antibody - Additional Information**Gene ID** 220972**Other Names**

E3 ubiquitin-protein ligase MARCHF8, 2.3.2.27, Cellular modulator of immune recognition, c-MIR, Membrane-associated RING finger protein 8, Membrane-associated RING-CH protein VIII, MARCH-VIII, RING finger protein 178, RING-type E3 ubiquitin transferase MARCHF8, MARCHF8 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=23356), MARCHF8, MIR, RNF178

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

MARCH8 Polyclonal Antibody - Protein Information**Name** MARCHF8 ([HGNC:23356](#))**Synonyms** MARCHF8, MIR, RNF178**Function**

E3 ubiquitin-protein ligase that plays several important roles in innate immunity and adaptive immunity (PubMed:<http://www.uniprot.org/citations/34285233>, PubMed:<http://www.uniprot.org/citations/35019698>, PubMed:<http://www.uniprot.org/citations/35503863>). Mediates ubiquitination of CD86 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:<http://www.uniprot.org/citations/19117940>, PubMed:<http://www.uniprot.org/citations/19566897>). Possesses a very broad antiviral activity by specifically inactivating different viral fusion proteins (PubMed:

[32934085](http://www.uniprot.org/citations/32934085)). Targets and ubiquitinates cytoplasmic lysine residues of viral envelope glycoproteins with single transmembrane domains leading to their lysosomal degradation (PubMed:[35019698](http://www.uniprot.org/citations/35019698)). Therefore, shows broad-spectrum inhibition against many viruses including retroviruses, rhabdoviruses, arenaviruses, sarbecoviruses or influenzaviruses (PubMed:[35019698](http://www.uniprot.org/citations/35019698), PubMed:[34285233](http://www.uniprot.org/citations/34285233)). Strongly blocks human immunodeficiency virus type 1 envelope glycoprotein incorporation into virions by down-regulating its cell surface expression. Blocks also ebola virus glycoprotein/GP incorporation via surface down-regulation (PubMed:[32934085](http://www.uniprot.org/citations/32934085)). Mediates 'Lys-63'-linked polyubiquitination of influenza M2 to target it to lysosome for degradation (PubMed:[34285233](http://www.uniprot.org/citations/34285233)). Mediates the regulation of constitutive ubiquitination and trafficking of the viral restriction factor BST2 within the endocytic pathway (PubMed:[28320822](http://www.uniprot.org/citations/28320822)). Plays a role in maintenance of immune tolerance to self by promoting the turnover and proteasomal degradation of PD-L1/CD274 via ubiquitination (PubMed:[34183449](http://www.uniprot.org/citations/34183449)). Catalyzes the 'Lys-63'-linked polyubiquitylation of cGAS thereby inhibiting its DNA binding ability and impairing its antiviral innate immunity (PubMed:[35503863](http://www.uniprot.org/citations/35503863)).

Cellular Location

Golgi apparatus membrane. Endoplasmic reticulum membrane. Cytoplasmic vesicle membrane; Multi-pass membrane protein. Lysosome membrane; Multi-pass membrane protein. Early endosome membrane; Multi-pass membrane protein

Tissue Location

Broadly expressed. Present in immature dendritic cells (at protein level).

MARCH8 Polyclonal Antibody - 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](#)

MARCH8 Polyclonal Antibody - Images