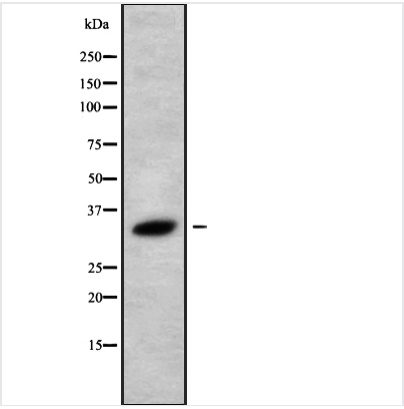
MARCH8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MARCH8, Polyclonal Antibody
Full Product Name	MARCH8 Antibody
Product Gene Name	anti-MARCH8 antibody
Product Synonym Names	c MIR; c-MIR; Cellular modulator of immune recognition; E3 ubiquitin protein ligase MARCH8; E3 ubiquitin-protein ligase MARCH8; MARCH 8; MARCH VIII; MARCH-VIII; MARCH8; MARH8_HUMAN; Membrane associated RING CH protein VIII; Membrane associated ring finger (C3HC4) 8; Membrane associated RING finger protein 8; Membrane-associated RING finger protein 8; Membrane-associated RING-CH protein VIII; MIR; OTTHUMP00000058921; RING finger protein 178; RNF178
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	MARCH8 antibody detects endogenous levels of total 42437
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	MARCH8 peptide (MBS9628505) is used for blocking the activity of MARCH8 antibody (MBS9609801)
Molecular Weight	Observed: 33 kDa Predicted: 33 kDa
3D Structure	ModBase 3D Structure for Q5T0T0
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human MARCH8
Subcellular Location	Cytoplasmic Vesicle Membrane. Lysosome Membrane. Early Endosome Membrane.
Tissue Specificity	Broadly expressed. Present in immature dendritic cells (at protein level).
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MARCH8 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-MARCH8 antibody	WB: 1:1000-3000

Related Product Information for anti-MARCH8 antibody	Function: E3 ubiquitin-protein ligase that 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. May also promote ubiquitination and endocytosis of TFRC and FAS. Subunit Structure: Interacts with CD86. Similarity: The RING-CH-type zinc finger domain is required for E3 ligase activity.
Other Notes	Small volumes of anti-MARCH8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MARCH8 purchase	MBS9609801 is an antibody targeting MARCH8. Also known as MARCH8 Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-MARCH8 antibody
Western blot analysis of MARCH8 using HuvEc whole cell lysates

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MARCH8. It may not necessarily be applicable to this product.

NCBI GI #	50539414
NCBI GeneID	220972
NCBI Accession #	NP_001002266.1
UniProt Primary Accession #	Q5T0T0
UniProt Secondary Accession #	Q5T0S8; Q8TC72; B2R8E7; H0Y7C6
UniProt Related Accession #	Q5T0T0
GenBank Nucleotide #	NM_001002266.2
NCBI Official Full Name	E3 ubiquitin-protein ligase MARCH8 isoform a
NCBI Official Synonym Full Names	membrane associated ring-CH-type finger 8
NCBI Official Symbol	MARCH8
NCBI Official Synonym Symbols	MIR; CMIR; c-MIR; RNF178; MARCH-VIII
UniProt Protein Name	E3 ubiquitin-protein ligase MARCH8
UniProt Synonym Protein Names	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 MARCH8Curated
Protein Family	E3 ubiquitin-protein ligase
UniProt Gene Name	MARCH8
UniProt Synonym Gene Names	MIR; RNF178; c-MIR; MARCH-VIII

NCBI Protein Information	E3 ubiquitin-protein ligase MARCH8
NCBI Summary for MARCH8	MARCH8 is a member of the MARCH family of membrane-bound E3 ubiquitin ligases (EC 6.3.2.19). MARCH enzymes add ubiquitin (see MIM 191339) to target lysines in substrate proteins, thereby signaling their vesicular transport between membrane compartments. MARCH8 induces the internalization of several membrane glycoproteins (Goto et al., 2003 [PubMed 12582153]; Bartee et al., 2004 [PubMed 14722266]).[supplied by OMIM, Apr 2010]
UniProt Comments for MARCH8	E3 ubiquitin-protein ligase that 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. May also promote ubiquitination and endocytosis of TFRC and FAS.
Research Articles on MARCH8	**1.** Knockdown of MARCH8 inactivated the PI3K and ss-catenin stat3 signaling pathways by changing protein expression levels or the phosphorylation of related proteins and inhibited migration and invasion of MKN-45 and AGS cells.
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