



# MARCH1 Polyclonal Antibody

<b>Catalog No</b>	BYab-02668
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	IHC;IF;WB;ELISA
<b>Gene Name</b>	44986
<b>Protein Name</b>	E3 ubiquitin-protein ligase MARCH1
<b>Immunogen</b>	Synthesized peptide derived from the Internal region of human 40603.
<b>Specificity</b>	MARCH1 Polyclonal Antibody detects endogenous levels of 40603 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	MARCH1; RNF171; E3 ubiquitin-protein ligase MARCH1; Membrane-associated RING finger protein 1; Membrane-associated RING-CH protein I; MARCH-I; RING finger protein 171
<b>Observed Band</b>	32kD
<b>Cell Pathway</b>	Golgi apparatus, trans-Golgi network membrane ; 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 .
<b>Tissue Specificity</b>	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.
<b>Function</b>	domain:The RING-CH-type zinc finger domain is required for E3 ligase activity.,function:E3 ubiquitin-protein ligase that may mediate ubiquitination of TFRC, CD86 and FAS, 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

Nanjing BYabscience technology Co.,Ltd



transfer the ubiquitin to targeted substrates.,pathway:Protein modification; protein ubiquitination.,similarity:Contains 1 RING-CH-type zinc finger.,tissue specificity:Expressed in lymph nodes, spleen and lung.,

### Background

MARCH1 is a member of the MARCH family of membrane-bound E3 ubiquitin ligases (EC 6.3.2.19). MARCH proteins add ubiquitin (see MIM 191339) to target lysines in substrate proteins, thereby signaling their vesicular transport between membrane compartments. MARCH1 downregulates the surface expression of major histocompatibility complex (MHC) class II molecules (see MIM 142880) and other glycoproteins by directing them to the late endosomal/lysosomal compartment (Bartee et al., 2004 [PubMed 14722266]; Thibodeau et al., 2008 [PubMed 18389477]; De Gassart et al., 2008 [PubMed 18305173]).[supplied by OMIM, Mar 2010],

### matters needing attention

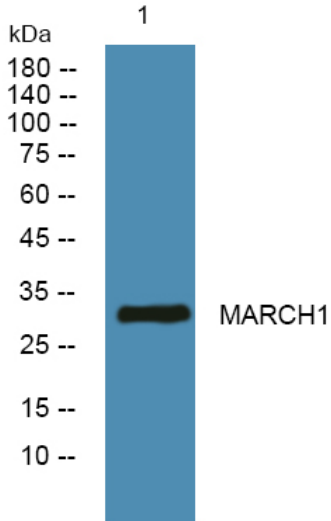
Avoid repeated freezing and thawing!

### Usage suggestions

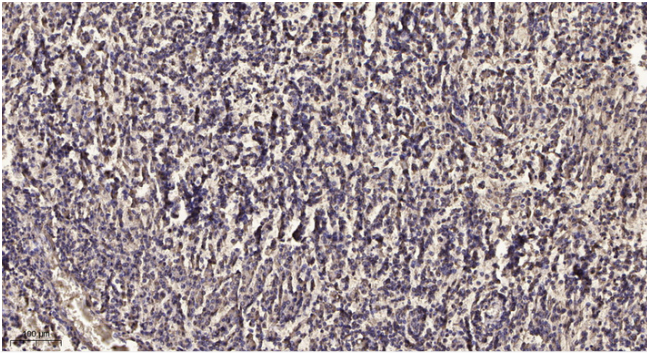
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



## Products Images



Western blot analysis of lysates from DU145 cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human meningioma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).