



MARCH2 Polyclonal Antibody

Catalog No	YP-Ab-02669
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;ELISA
Gene Name	44987
Immunogen	The antiserum was produced against synthesized peptide derived from human MARCH2. AA range:191-240
Specificity	MARCH2 Polyclonal Antibody detects endogenous levels of 40604 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	44987;E3 ubiquitin-protein ligase MARCH2;MARCH2;RNF172;HSPC240; Membrane-associated RING finger protein 2;Membrane-associated RING-CH protein II;MARCH-II;RING finger protein 172
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Endoplasmic reticulum membrane ; Multi-pass membrane protein . Lysosome membrane ; Multi-pass membrane protein . Endosome membrane ; Multi-pass membrane protein . Golgi apparatus membrane ; Multi-pass membrane protein . Cytoplasm . Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Broadly expressed.
Function	caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,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 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. May be involved in endosomal trafficking through interaction with STX6., pathway: Protein modification; protein ubiquitination., similarity: Contains 1 RING-CH-type zinc finger., subunit: Interacts with STX6 (By similarity). Interacts with MARCH3., tissue specificity: Broadly expressed.,

Background

MARCH2 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. MARCH2 reduces surface accumulation of several glycoproteins and appears to regulate early endosome-to-trans-Golgi network (TGN) trafficking (Bartee et al., 2004 [PubMed 14722266]; Nakamura et al., 2005 [PubMed 15689499]). [supplied by OMIM, Mar 2010],

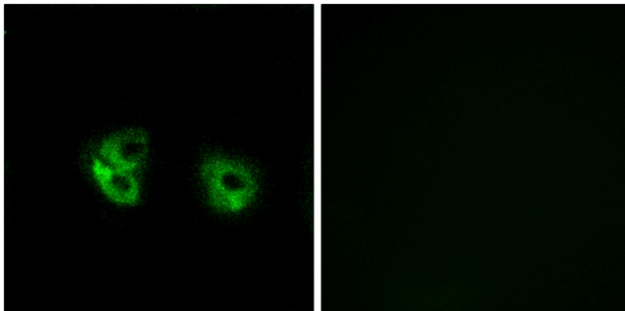
matters needing attention

Avoid repeated freezing and thawing!

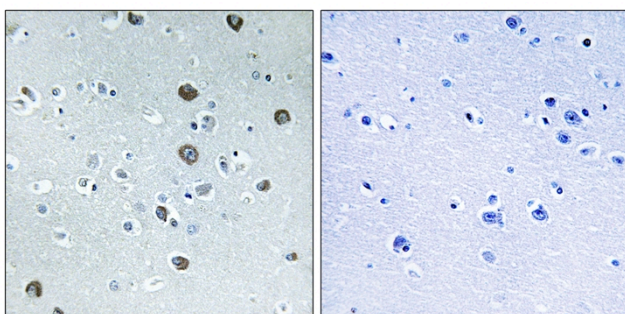
Usage suggestions

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

Products Images



Immunofluorescence analysis of A549 cells, using MARCH2 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using MARCH2 Antibody. The picture on the right is blocked with the synthesized peptide.