



MARCH5 Polyclonal Antibody

Catalog No	BYab-19081
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IF;WB;ELISA
Gene Name	44990
Protein Name	E3 ubiquitin-protein ligase MARCH5
Immunogen	The antiserum was produced against synthesized peptide derived from human MARCH5. AA range:21-70
Specificity	MARCH5 Polyclonal Antibody detects endogenous levels of 40607 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	WB 1:500-2000 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	MARCH5; RNF153; E3 ubiquitin-protein ligase MARCH5; Membrane-associated RING finger protein 5; Membrane-associated RING-CH protein V; MARCH-V; Mitochondrial ubiquitin ligase; MITOL; RING finger protein 153
Observed Band	37kD
Cell Pathway	Mitochondrion outer membrane ; Multi-pass membrane protein . Endoplasmic reticulum membrane ; Multi-pass membrane protein . Authors show that the protein can be detected in endoplasmic reticulum (PubMed:14722266). Authors (PubMed:16874301) show its presence only in mitochondria (PubMed:16874301). .
Tissue Specificity	Expressed in brain, heart, liver, lung, spleen, stomach, testis, skeletal and muscle.
Function	domain:The RING-CH-type zinc finger domain is required for E3 ligase activity.,function:Mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial morphology. Promotes ubiquitination of DRP1. 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

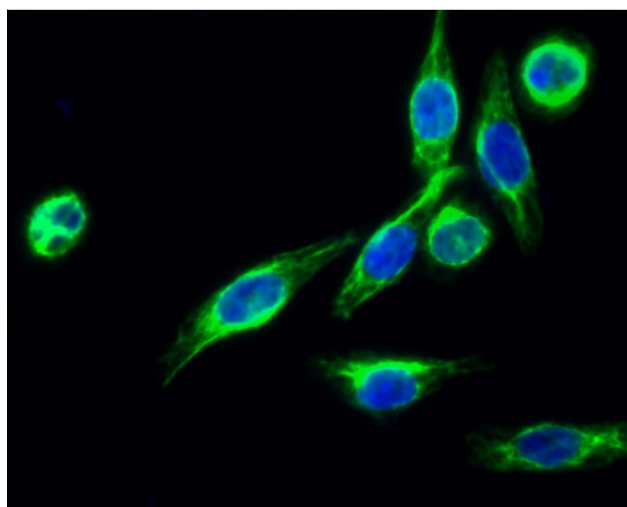
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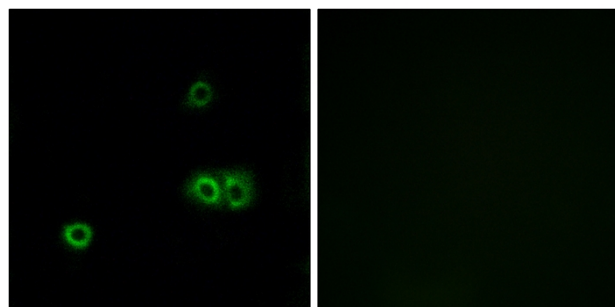
	substrates.,pathway:Protein modification; protein ubiquitination.,similarity:Contains 1 RING-CH-type zinc finger.,subunit:Interacts with MTFN2 and ubiquitinated forms of DRP1.,
Background	MARCH5 is a ubiquitin ligase of the mitochondrial outer membrane that plays a role in the control of mitochondrial morphology by regulating mitofusin-2 (MFN2; MIM 608507) and DRP1 (DNM1L; MIM 603850) (Nakamura et al., 2006 [PubMed 16936636]).[supplied by OMIM, Mar 2008],
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.



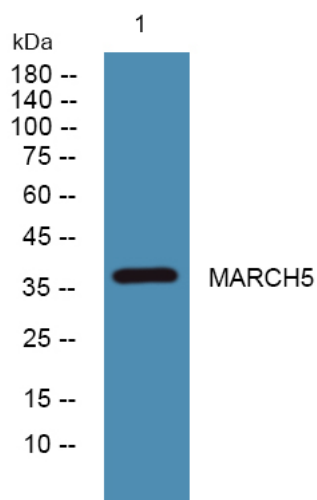
Products Images



Immunofluorescence analysis of HeLa cell. 1, MARCH5 Polyclonal Antibody (green) was diluted at 1:200 (4° overnight). 2, Goat Anti Rabbit Alexa Fluor 488 Catalog: RS3211 was diluted at 1:1000 (room temperature, 50min). 3 DAPI (blue) 10min.



Immunofluorescence analysis of A549 cells, using MARCH5 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night