



Anti-MARCH1 (aa 1-99) polyclonal antibody (DPAB-DC2379)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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]
Immunogen	40969 (NP_060393, 1 a.a. ~ 99 a.a) partial recombinant protein with GST tag. The sequence is MTSSHVCCNFLNMWKKSKISTMYYLNQDAKLSNLFQASSPTTGTAPRSQSRLSVCPTQ DICRICHCEDGESPLITPCRCTGTLRFVHQSLHQWIK
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	MARCH1 membrane-associated ring finger (C3HC4) 1, E3 ubiquitin protein ligase [Homo sapiens (human)]
Official Symbol	MARCH1
Synonyms	MARCH1; membrane-associated ring finger (C3HC4) 1, E3 ubiquitin protein ligase; RNF171; MARCH-I; E3 ubiquitin-protein ligase MARCH1; RING finger protein 171; membrane-associated RING-CH protein I; membrane-associated RING finger protein 1;
Entrez Gene ID	55016
Protein Refseq	NP_001159845
UniProt ID	A8K0Z6
Chromosome Location	4q32.2
Function	MHC protein binding; ligase activity; ubiquitin-protein transferase activity; zinc ion binding