

Product datasheet for **TA306677**

MARCHF8 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 0.5 - 1 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	MARCH8 antibody was raised against a 17 amino acid peptide from near the carboxy terminus of human MARCH8.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	membrane associated ring-CH-type finger 8
Database Link:	NP_659458 Entrez Gene 220972 Human Q5T0T0



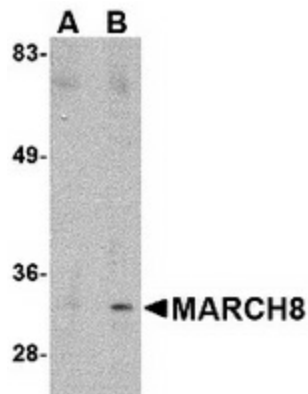
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Background:

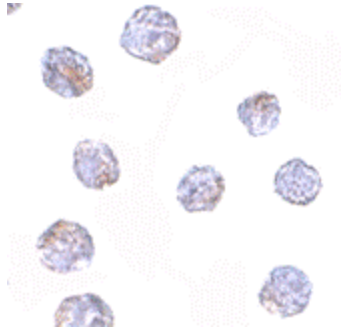
MARCH8 (c-MIR) is a novel E3 ubiquitin ligase designated as the modulator of immune recognition (MIR) family, whose catalytic domain is a variant RING domain (RING-CH domain). MARCH8 was found as a functional and structural homolog of KSHV MIR1 and MIR2. MARCH8 targets B7-2 to lysosomal degradation and down-regulates the B7-2 surface expression through ubiquitination of its cytoplasmic tail. Furthermore, MARCH8 has been shown to down-regulate the expression of transferrin receptor and Fas, an important molecule for the induction of apoptosis. MARCH8 is the first example of an E3 ubiquitin ligase that is capable of inhibiting MHC II expression. Recent findings suggest that MARCH8 may regulate immune responses by promoting ubiquitination of MHC-II and CD86, leading to their subsequent endocytosis and lysosomal degradation.

Synonyms:

c-MIR; MARCH-VIII; MIR; RNF178

Product images:

Western blot analysis of MARCH8 in HeLa cell lysate with MARCH8 antibody at (A) 0.5 ug/ml and (B) 1 ug/ml.



Immunocytochemistry of MARCH8 in HeLa cells with MARCH8 antibody at 2.5 ug/ml.