MARCH8 Antibody

Catalog No: #24788

Orders: order@signalwayantibody.com
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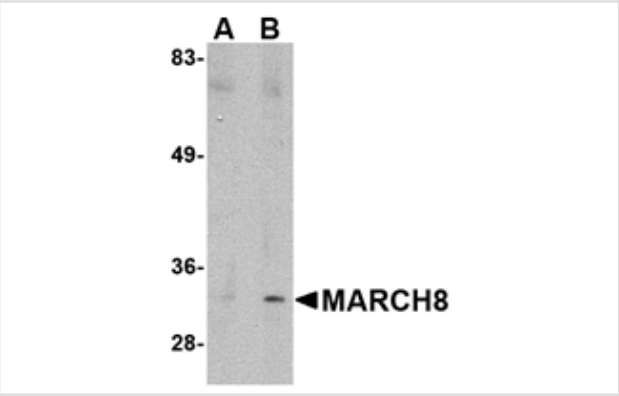
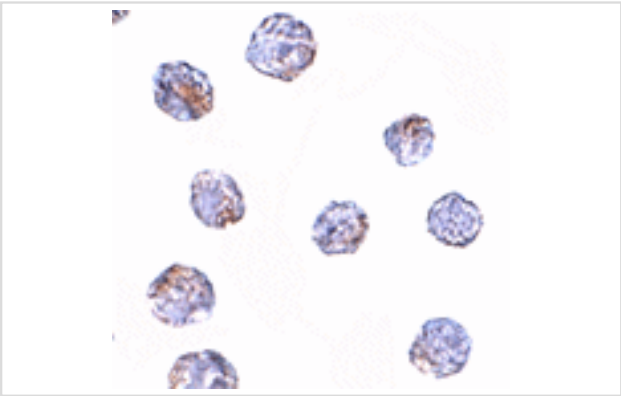
Description

Product Name	MARCH8 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide from near the carboxy terminus of human MARCH8.
Target Name	8-Mar
Other Names	Membrane-associated ring finger 8, E3 ubiquitin-protein ligase MARCH8, RING finger protein 178, c-MIR, Cellular modulator of immune recognition
Accession No.	Swiss-Prot:Q5T0T0Gene ID:220972
Uniprot	Q5T0T0
GeneID	220972;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

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.

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.

Note: This product is for in vitro research use only