

Product datasheet

Anti-MARCH9 antibody ab56123

Overview

<b>Product name</b>	Anti-MARCH9 antibody
<b>Description</b>	Rabbit polyclonal to MARCH9
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Recombinant fragment <b>Predicted to work with:</b> Mouse, Human ▲
<b>Immunogen</b>	A synthetic peptide corresponding to C-terminal residues of human MARCH9

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab56123** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 38 kDa. for 2 hours. This antibody has been tested in Western blot against the recombinant peptide used as an immunogen. We have no data on detection of endogenous protein.
ELISA		Use at an assay dependent dilution.

## Target

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### Relevance

MARCH9 (membrane-associated RING-CH protein IX) belongs to MARCH family, which contains at least seven membrane-associated RING-CH (MARCH) proteins. All MARCH proteins are ubiquitin ligases and located to subcellular membranes, and several MARCH proteins reduce surface levels of known substrates of the viral K3 family. Two closely related proteins, MARCH-IV and MARCH-IX, reduce surface expression of MHC-I molecules. In the presence of MARCH-IV or MARCH-IX, MHC-I are ubiquitinated and rapidly internalized by endocytosis. The functional similarity of the MARCH family and the K3 family of viral immune evasion proteins suggests that the viral immune evasion proteins were derived from MARCH proteins, a novel family of transmembrane ubiquitin ligases that seems to target glycoproteins for lysosomal destruction via ubiquitination of the cytoplasmic tail.

### Cellular localization

Golgi apparatus membrane; Multi-pass membrane protein. Lysosome membrane; Multi-pass membrane protein.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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