

Rabbit MDS1 Polyclonal Antibody | anti-MDS1 antibody

MDS1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327149	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MDS1; Polyclonal Antibody; MDS1 Antibody; AML1 EVI 1; AML1 EVI 1 fusion protein; AML1 EVI1; Ecotropic viral integration site 1; Ecotropic virus integration 1 site protein; Ecotropic virus integration site 1 protein homolog; EVI 1; EVI1; MDS1 and EVI1 complex locus; MDS1 and EVI1 complex locus protein EVI1; MDS1 and EVI1 complex locus protein MDS1; MDS1 EVI1; MGC163392; MGC97004; Myelodysplasia syndrome 1; Myelodysplasia syndrome 1 protein; Myelodysplasia syndrome-associated protein 1; Oncogene EVI1; PRDM3; Zinc finger protein Evi1; anti-MDS1 antibody

PRODUCT SPECIFICATIONS

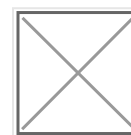
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MDS1 antibody detects endogenous levels of total MDS1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1116
Applicable Applications for anti-MDS1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MECOM
Subcellular Location	Nuclear
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Bovine (92%), Horse (83%), Sheep (92%), Rabbit (83%), Dog (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Rat lung tissue lysate, using MDS1 Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA327149 at 1/100 staining Mouse spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-MDS1 antibody	Description: The protein encoded by this gene is a transcriptional regulator and oncoprotein that may be involved in hematopoiesis, apoptosis, development, and cell differentiation and proliferation. The encoded protein can interact with CTBP1, SMAD3, CREBBP, KAT2B, MAPK8, and MAPK9. This gene can undergo translocation with the AML1 gene, resulting in overexpression of this gene and the onset of leukemia. Several transcript variants encoding a few different isoforms have been found for this gene. Function: Isoform 1: Functions as a transcriptional regulator binding to DNA sequences in the promoter region of target genes and regulating positively or negatively their expression. Oncogene which plays a role in development, cell proliferation and differentiation. May also play a role in apoptosis through regulation of the JNK and TGF-beta signaling. Involved in hematopoiesis. Subunit Structure: Isoform 1: Homooligomer. Interacts with SUV39H1 (via SET domain); enhances MECOM transcriptional repression activity (By similarity). Interacts with CTBP1. Interacts with SMAD3 (via MH2 domain); the interaction is direct. Interacts with SMAD4; through interaction with SMAD3. Interacts with CREBBP, KAT2B and histone deacetylases. Interacts with MAPK8 and MAPK9; inhibits JNK signaling (PubMed:10856240, PubMed:11568182, PubMed:15897867, PubMed:9665135). Post-translational Modifications: Phosphorylated. May be acetylated by CREBBP and KAT2B. Similarity: Both zinc finger regions are required for the transcriptional activation of PBX1.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	255683379
NCBI GeneID	2122
NCBI Accession #	NP_001098547.3
NCBI GenBank Nucleotide #	NM_001105077.3
UniProt Accession #	Q03112; Q13465; Q13466; Q16122; A1L4F3; A8KA00; B7Z8W7; B7ZLQ3; B7ZLQ4; C9JAK0; D3DNP7; E7EQ57
Molecular Weight	Observed: 118 kDa Predicted: 139 kDa
NCBI Official Full Name	MDS1 and EVI1 complex locus protein isoform a
NCBI Official Synonym Full Names	MDS1 and EVI1 complex locus
NCBI Official Symbol	MECOM
NCBI Official Synonym Symbols	EVI1; MDS1; KMT8E; PRDM3; RUSAT2; MDS1-EVI1; AML1-EVI-1
NCBI Protein Information	MDS1 and EVI1 complex locus protein; MDS1 and EVI1 complex locus protein EVI1
UniProt Protein Name	MDS1 and EVI1 complex locus protein
UniProt Gene Name	MECOM
UniProt Synonym Gene Names	EVI-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.