

Datasheet for ABIN7599882
anti-MECOM antibody (AA 125-743)



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Overview

Quantity:	100 µg
Target:	MECOM
Binding Specificity:	AA 125-743
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MECOM antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-EVI1/MECOM Antibody Picoband®
Immunogen:	E.coli-derived human EVI1/MECOM recombinant protein (Position: E125-D743).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-EVI1/MECOM Antibody Picoband® (ABIN7599882). Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	MECOM
Alternative Name:	MECOM (MECOM Products)
Background:	Synonyms: Thioredoxin, mitochondrial, MTRX, Mt-Trx, Thioredoxin-2, TXN2, TRX2 Tissue Specificity: Widely expressed in adult (at protein level) and fetal tissues. Background: MDS1 and EVI1 complex locus protein EVI1 (MECOM) also known as ecotropic virus integration site 1 protein homolog (EVI-1) or positive regulatory domain zinc finger protein 3 (PRDM3) is a protein that in humans is encoded by the MECOM gene. 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.
Molecular Weight:	138 kDa
Gene ID:	2122
UniProt:	Q03112

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Buonamici, S., Li, D., Chi, Y., Zhao, R., Wang, X., Brace, L., Ni, H., Sauntharajah, Y., Nucifora, G. EVI1 induces myelodysplastic syndrome in mice. J. Clin. Invest. 114: 713-719, 2004. Note: Erratum: J. Clin. Invest. 115: 2296 only, 2005. 2. Gross, M. B. Personal Communication. Baltimore, Md. 3/16/2018. 3. Morishita, K., Parganas, E., Bartholomew, C., Sacchi, N., Valentine, M. B., Raimondi, S. C., Le Beau, M. M., Ihle, J. N. The human Evi-1 gene is located on chromosome 3q24-q28 but is not rearranged in three cases of acute nonlymphocytic leukemias containing t(3,5)(q25,q34) translocations. Oncogene Res. 5: 221-231, 1990.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.