10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HDAC11 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant HDAC11.
Catalog # AT2338a

Product Information

Application	WB, IF, E
Primary Accession	Q96DB2
Other Accession	BC009676
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	1C2-2G5
Calculated MW	39183

Additional Information

Gene ID	79885
Other Names	Histone deacetylase 11, HD11, HDAC11
Target/Specificity	HDAC11 (AAH09676, 1 a.a. ~ 347 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	HDAC11 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

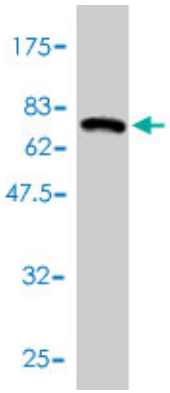
This gene encodes a class IV histone deacetylase. The encoded protein is localized to the nucleus and may be involved in regulating the expression of interleukin 10. Alternative splicing results in multiple transcript variants.

References

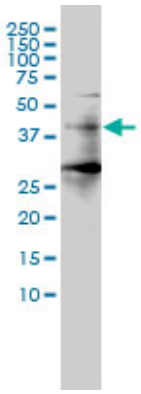
Differential histone deacetylase mRNA expression patterns in amyotrophic lateral sclerosis. Janssen C, et al. J Neuropathol Exp Neurol, 2010 Jun. PMID 20467334. Acetylation/deacetylation modulates the stability of DNA replication licensing factor Cdt1. Glozak MA, et al. J Biol Chem, 2009 Apr 24. PMID 19276081. From immunity to tolerance through HDAC. Georgopoulos K. Nat Immunol, 2009 Jan. PMID 19088734. The histone

deacetylase HDAC11 regulates the expression of interleukin 10 and immune tolerance. Villagra A, et al. Nat Immunol, 2009 Jan. PMID 19011628. MGCD0103, a novel isotype-selective histone deacetylase inhibitor, has broad spectrum antitumor activity in vitro and in vivo. Fournel M, et al. Mol Cancer Ther, 2008 Apr. PMID 18413790.

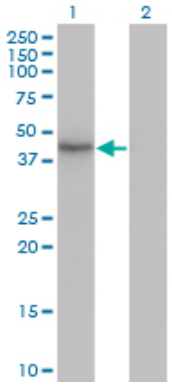
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (63.91 KDa) .

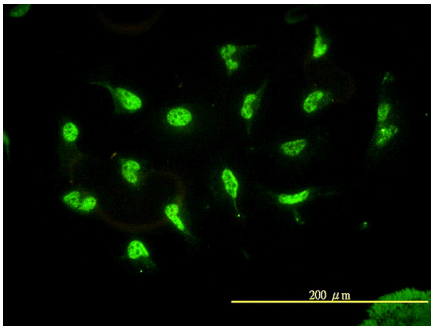


HDAC11 monoclonal antibody (M01), clone 1C2-2G5 Western Blot analysis of HDAC11 expression in HL-60 ((Cat # AT2338a)



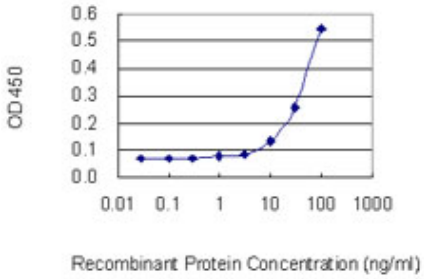
Western Blot analysis of HDAC11 expression in transfected 293T cell line by HDAC11 monoclonal antibody (M01), clone 1C2-2G5.

Lane 1: HDAC11 transfected lysate(39.2 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence of monoclonal antibody to HDAC11 on HeLa cell. [antibody concentration 10 ug/ml]

Detection limit for recombinant GST tagged HDAC11 is 3 ng/ml as a capture antibody.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.