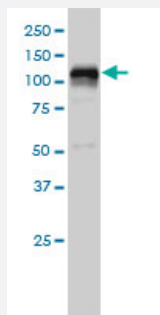


HDAC7A monoclonal antibody (M01), clone 2B11-1C1

Catalog # H00051564-M01

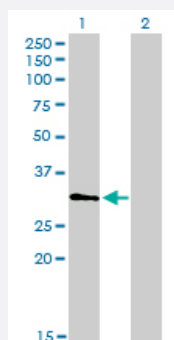
Size 100 ug

Applications



Western Blot (Cell lysate)

HDAC7A monoclonal antibody (M01), clone 2B11-1C1 Western Blot analysis of HDAC7A expression in K-562 (Cat # L009V1).

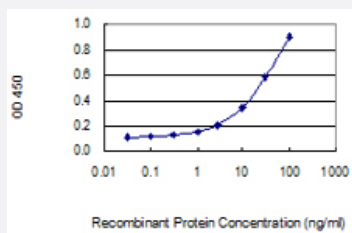


Western Blot (Transfected lysate)

Western Blot analysis of HDAC7A expression in transfected 293T cell line by HDAC7A monoclonal antibody (M01), clone 2B11-1C1.

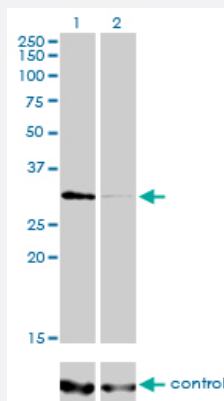
Lane 1: HDAC7A transfected lysate(29.6 KDa).

Lane 2: Non-transfected lysate.



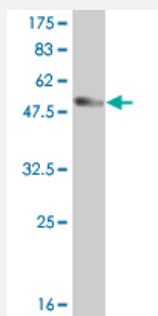
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HDAC7 is 0.3 ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of HDAC7A over-expressed 293 cell line, cotransfected with HDAC7A Validated Chimera RNAi (Cat # H00051564-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with HDAC7A monoclonal antibody (M01), clone 2B11-1C1 (Cat # H00051564-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (56.1 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant HDAC7A.
Immunogen	HDAC7A (AAH06453.1, 1 a.a. ~ 276 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MGFCFFNSVAIACRQLQQQSKASKILMDWDVHHGNGTQQTFYQDPSVLYSLHRHDDGNFFPGS GAVDEVGAGSGEGFNVNVAWAGGLDPPMGDPEYLAAFRVMPIAREFSPDLVLVSAGFDAAE GHPAPLGGYHVSACFCGYMTQQLMNLAGGAVVLALEGGHDLTAICDASEACVAALLGNRVDPLS EEGWKQKPNLNAIRSLEAVIRVHISKYWGCMQRLASCPDSWVPRVPGADKEEVEAVTALASLSV GILAE DRPSEQLVEEEEEPMNL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (93)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (56.1 KDa) .
Storage Buffer	In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

HDAC7A monoclonal antibody (M01), clone 2B11-1C1 Western Blot analysis of HDAC7A expression in K-562 (Cat # L009V1).

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- Western Blot (Transfected lysate)

Western Blot analysis of HDAC7A expression in transfected 293T cell line by HDAC7A monoclonal antibody (M01), clone 2B11-1C1.

Lane 1: HDAC7A transfected lysate(29.6 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HDAC7 is 0.3 ng/ml as a capture antibody.

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- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of HDAC7A over-expressed 293 cell line, cotransfected with HDAC7A Validated Chimera RNAi (Cat # H00051564-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with HDAC7A monoclonal antibody (M01), clone 2B11-1C1 (Cat # H00051564-M01). GAPDH (36.1 kDa) used as specificity and loading control.

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Gene Info — HDAC7

Entrez GeneID

[51564](#)

GeneBank Accession#

[BC006453](#)

Protein Accession#	AAH06453.1
Gene Name	HDAC7
Gene Alias	DKFZp586J0917, FLJ99588, HD7A, HDAC7A
Gene Description	histone deacetylase 7
Omim ID	606542
Gene Ontology	Hyperlink
Gene Summary	Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene has sequence homology to members of the histone deacetylase family. This gene is orthologous to mouse HDAC7 gene whose protein promotes repression mediated via the transcriptional corepressor SMRT. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	histone deacetylase 7A

Publication Reference

- [HDAC7 and FoxA1 in estrogen-mediated repression of RPRM.](#)

Malik S, Jiang S, Garee JP, Verdin E, Lee AV, OMalley BW, Zhang M, Belaguli NS, Oesterreich S.

Molecular and Cellular Biology 2010 Jan; 30(2):399.

Application: WB-Ce, WB-Tr, Human, DO11.10, HeLa, Ly2, MCF-7, MDA-MB-231, T47D cells

Disease

- [Asthma](#)
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