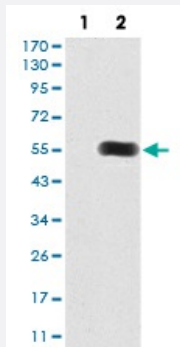


HDAC9 monoclonal antibody, clone 2B7C4

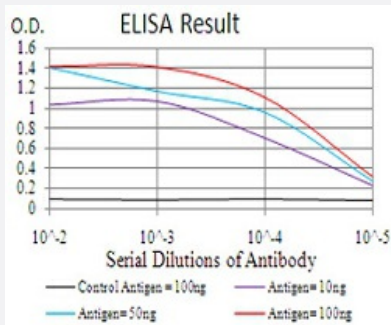
Catalog # MAB16732 Size 100 ug

Applications



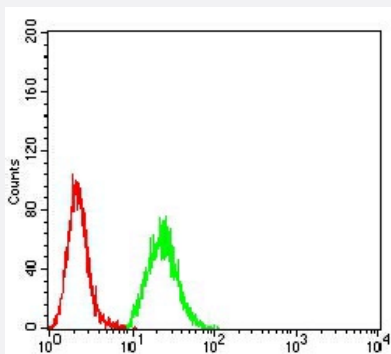
Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: HDAC9-hlgGFc transfected HEK293 cell with HDAC9 monoclonal antibody.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of HDAC9 monoclonal antibody, clone 2B7C4.



Flow Cytometry

Flow cytometric analysis of Hela cells with HDAC9 monoclonal antibody (green) and negative control (red).

Specification

Product Description

Mouse monoclonal antibody raised against recombinant human HDAC9.

Immunogen	Recombinant protein corresponding to amino acid 343-569 of human HDAC9 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	111.3
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry Immunocytochemistry Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: HDAC9-hlgFc transfected HEK293 cell with HDAC9 monoclonal antibody.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of HDAC9 monoclonal antibody, clone 2B7C4.

- Flow Cytometry

Flow cytometric analysis of Hela cells with HDAC9 monoclonal antibody (green) and negative control (red).

Gene Info — HDAC9

Entrez GeneID

[9734](#)

Gene Name

HDAC9

Gene Alias	DKFZp779K1053, HD7, HDAC, HDAC7, HDAC7B, HDAC9B, HDAC9FL, HDRP, KIAA0744, MITR
Gene Description	histone deacetylase 9
Omim ID	606543
Gene Ontology	Hyperlink
Gene Summary	<p>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 the Xenopus and mouse MITR genes. The MITR protein lacks the histone deacetylase catalytic domain. It represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. This encoded protein may play a role in hematopoiesis. Multiple alternatively spliced transcripts have been described for this gene but the full-length nature of some of them has not been determined. [provided by RefSeq]</p>
Other Designations	MEF-2 interacting transcription repressor (MITR) protein histone deacetylase 4/5-related protein histone deacetylase 7 histone deacetylase 7B

Disease

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