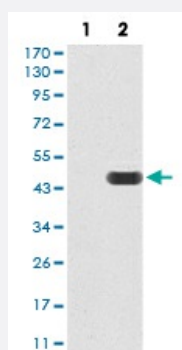


HDAC4 monoclonal antibody, clone 7E2E6

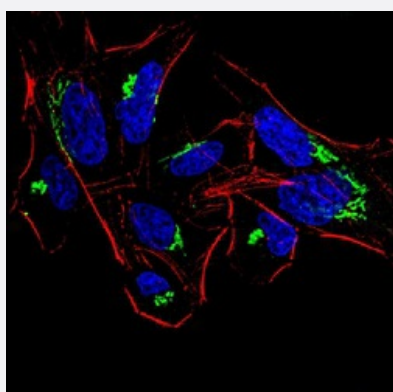
Catalog # MAB17137 Size 100 ug

Applications



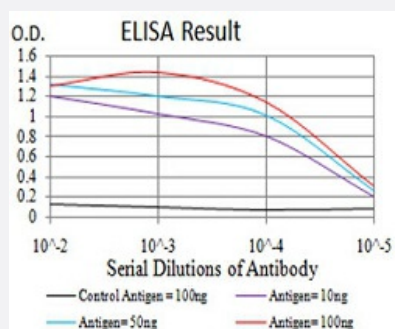
Western Blot (Transfected lysate)

Western Blot analysis of (1) HEK293 cells, (2) HDAC4-hlgGfC transfected HEK293 cell lysate.



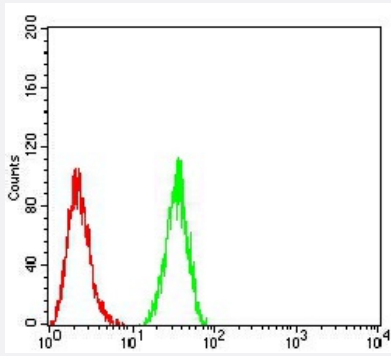
Immunocytochemistry

Immunocytochemical staining of HeLa cells with HDAC4 monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments have been labeled with Alexa Fluor-555 phalloidin (red).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of HDAC4 monoclonal antibody, clone 7E2E6.



Flow Cytometry

Flow cytometric analysis of HeLa cells with HDAC4 monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human HDAC4.
Immunogen	Recombinant protein corresponding to amino acid 456-592 of human HDAC4 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	119kDa
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry Immunocytochemistry (1:200-1:1000) 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 (1) HEK293 cells, (2) HDAC4-hlgGFc transfected HEK293 cell lysate.

- Immunocytochemistry

Immunocytochemical staining of HeLa cells with HDAC4 monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments have been labeled with Alexa Fluor- 555 phalloidin (red).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of HDAC4 monoclonal antibody, clone 7E2E6.

- Flow Cytometry

Flow cytometric analysis of HeLa cells with HDAC4 monoclonal antibody (green) and negative control (red).

Gene Info — HDAC4

Entrez GeneID [9759](#)

Gene Name HDAC4

Gene Alias HA6116, HD4, HDAC-A, HDACA, KIAA0288

Gene Description histone deacetylase 4

Omim ID [605314](#)

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 belongs to class II of the histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. This protein does not bind DNA directly, but through transcription factors MEF2C and MEF2D. It seems to interact in a multiprotein complex with RbAp48 and HDAC3. [provided by RefSeq]

Other Designations histone deacetylase A

Disease

- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Craniofacial Abnormalities](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Mouth Abnormalities](#)
- [Schizophrenia](#)