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Product datasheet for CF500752

HDAC10 Mouse Monoclonal Antibody [Clone ID: OTI4D4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4D4
Applications:	FC, IP, WB
Recommended Dilution:	WB 1:2000, Flow 1:100, IP 2-4ug/mg
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human HDAC10 (NP_114408) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	71.4 kDa
Gene Name:	histone deacetylase 10
Database Link:	NP_114408 Entrez Gene 83933 Human Q969S8
Background:	Acetylation of histone core particles modulates chromatin structure and gene expression. The opposing enzymatic activities of histone acetyltransferases and histone deacetylases, such as HDAC10, determine the acetylation status of histone tails

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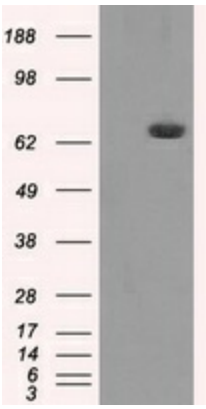
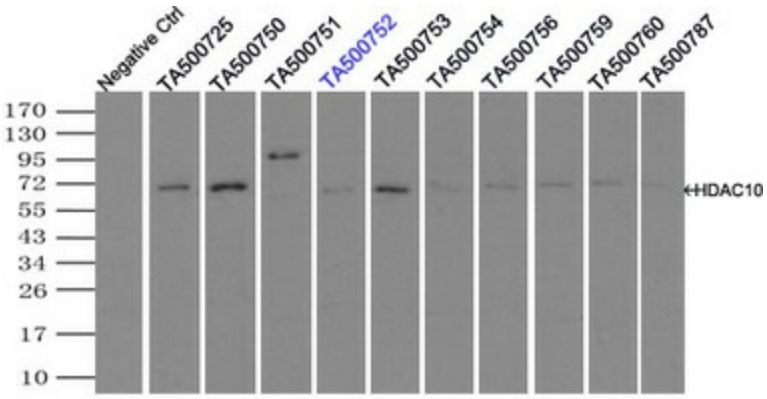
Synonyms: HD10

Protein Families: Druggable Genome, Transcription Factors

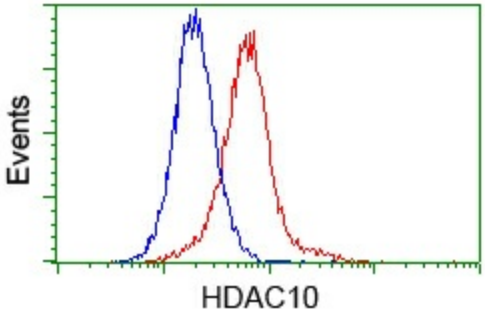
Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HDAC10 ([RC218536], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HDAC10. Positive lysates [LY403142] (100ug) and [LC403142] (20ug) can be purchased separately from OriGene.



Immunoprecipitation of HDAC10 by using TrueMab monoclonal anti-HDAC10 antibody (Negative control: IP without adding anti-HDAC10 antibody). For each experiment, 500ul of DDK tagged HDAC10 overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of anti-HDAC10 antibody and 20ul (0.1mg) of goat anti-mouse conjugated magnetic beads were mixed and incubated overnight. After extensive wash to remove any non-specific binding, the immuno-precipitated products were analyzed with rabbit anti-DDK polyclonal antibody.



Flow cytometric analysis of Hela cells, using anti-HDAC10 antibody ([TA500752]), (Red) compared to a nonspecific negative control antibody (TA50011) (Blue).

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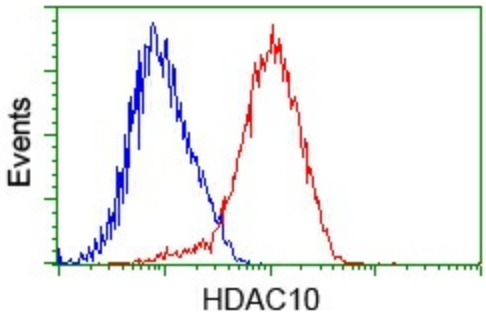

Flow cytometric analysis of Jurkat cells, using anti-HDAC10 antibody ([TA500752]), (Red) compared to a nonspecific negative control antibody (TA50011) (Blue).

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