

## Product datasheet for **CF500760**

### HDAC10 Mouse Monoclonal Antibody [Clone ID: OTI2H6]

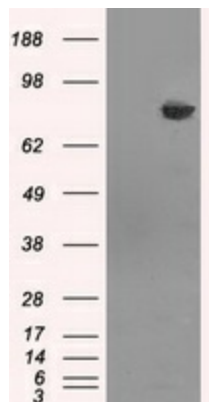
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2H6
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:1000, IF 1:100, Flow 1:100
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)
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	71.4 kDa
Gene Name:	Homo sapiens histone deacetylase 10 (HDAC10), transcript variant 1, mRNA.
Database Link:	<a href="#">NP_114408 Entrez Gene 83933 Human</a>
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
Synonyms:	HD10
Protein Families:	Druggable Genome, Transcription Factors

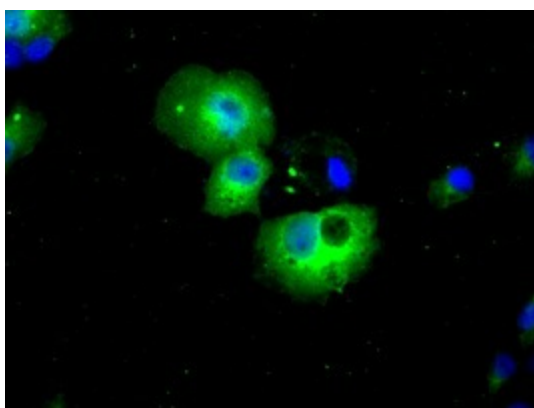


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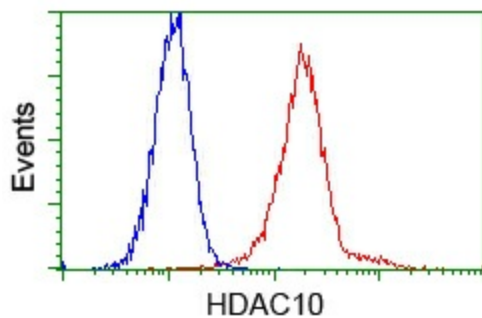
## Product images:



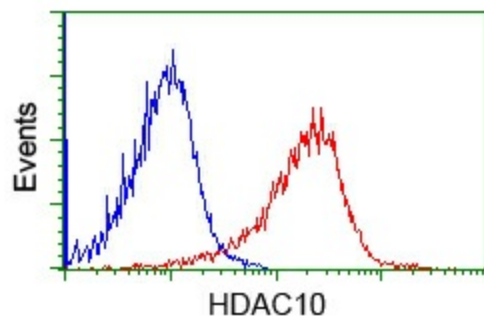
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HDAC10 ([RC218536], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HDAC10. Positive lysates [LY403142] (100ug) and [LC403142]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



Anti-HDAC10 mouse monoclonal antibody ([TA500760]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY HDAC10 ([RC218536]).



Flow cytometric analysis of HeLa cells, using anti-HDAC10 antibody ([TA500760]), (Red) compared to a nonspecific negative control antibody ([TA50011]) (Blue).



Flow cytometric analysis of Jurkat cells, using anti-HDAC10 antibody ([TA500760]), (Red) compared to a nonspecific negative control antibody ([TA50011]) (Blue).