OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for CF500756

HDAC10 Mouse Monoclonal Antibody [Clone ID: OTI7C3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI7C3
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:50, Flow 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
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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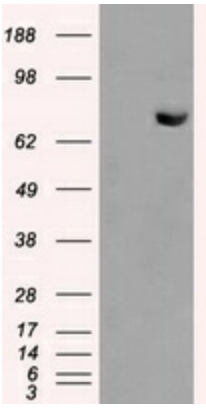
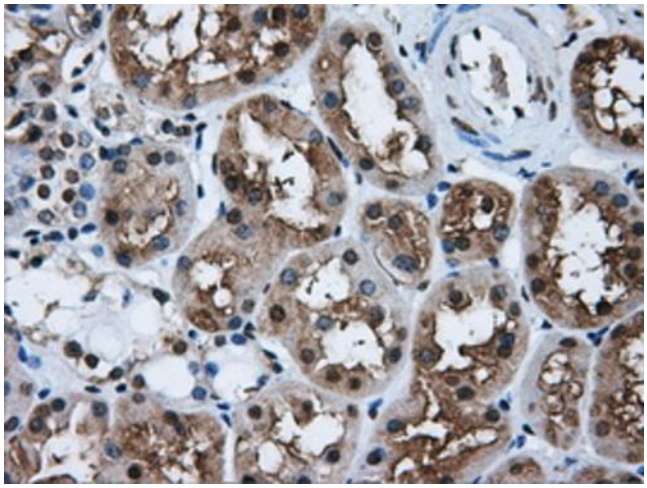
Synonyms: HD10

Protein Families: Druggable Genome, Transcription Factors

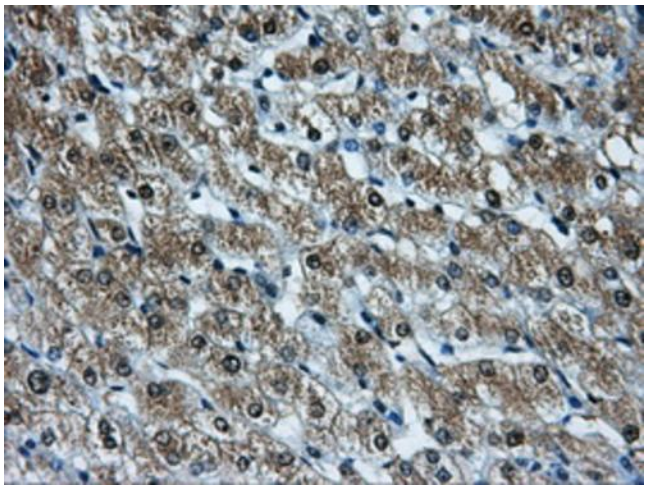
Product images:



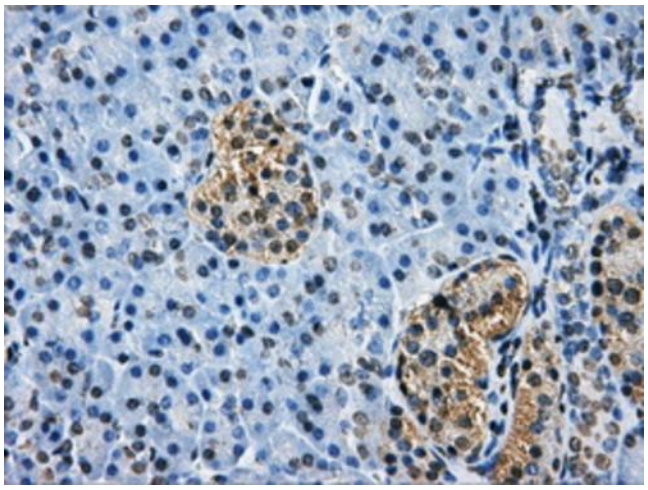
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HDAC10 ([RC218536], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HDAC10. Positive lysates [LY403142] (100ug) and [LC403142]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



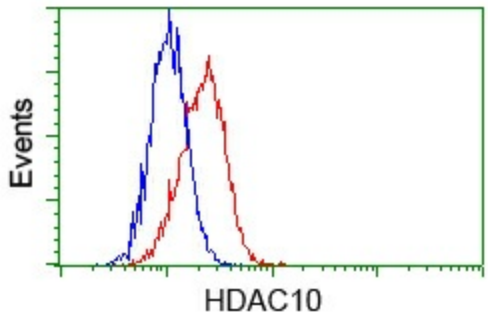
Immunohistochemical staining of paraffin-embedded Kidney tissue within the normal limits using anti-HDAC10mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



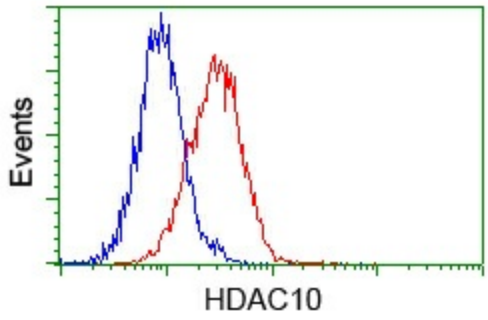
Immunohistochemical staining of paraffin-embedded liver tissue within the normal limits using anti-HDAC10mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded pancreas tissue within the normal limits using anti-HDAC10mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Flow cytometric analysis of Hela cells, using anti-HDAC10 antibody ([TA500756]), (Red) compared to a nonspecific negative control antibody (TA50011) (Blue).



Flow cytometric analysis of Jurkat cells, using anti-HDAC10 antibody ([TA500756]), (Red) compared to a nonspecific negative control antibody (TA50011) (Blue).