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Product datasheet for TA805011BM

HDAC4 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI6E6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI6E6
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human HDAC4 (NP_006028) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	HRP
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	118.9 kDa
Gene Name:	histone deacetylase 4
Database Link:	NP_006028 Entrez Gene 208727 MouseEntrez Gene 363287 RatEntrez Gene 9759 Human P56524

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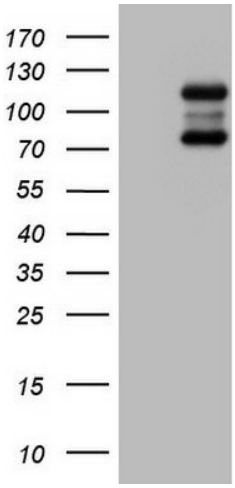
Background: Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to class II of the histone 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, Jul 2008]

Synonyms: AHO3; BDMR; HA6116; HD4; HDAC-4; HDAC-A; HDACA

Protein Families: Druggable Genome, Transcription Factors

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HDAC4 ([RC211495], 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-HDAC4. Positive lysates [LY416910] (100ug) and [LC416910] (20ug) can be purchased separately from OriGene.