

## Mouse Monoclonal Antibody to HDAC4

<b>Catalogue Number</b>	sAP-1209
<b>Target Molecule</b>	<p><b>Name: HDAC4</b></p> <p><b>Aliases:</b> HD4; AHO3; BDMR; HDACA; HA6116; HDAC-4; HDAC-A</p> <p><b>MW: 119kDa</b></p> <p><b>Entrez Gene ID: 9759</b></p>
<b>Description</b>	<p>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.;</p>
<b>Immunogen</b>	Purified recombinant fragment of human HDAC4 (AA: 456-592) expressed in E. Coli.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM7E2E6;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: ; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.Cancer Res. 2013 Feb 15;73(4):1386-99. ; 2.Am J Hum Genet. 2010 Aug 13;87(2):219-28.;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**