

## HDAC4 Ab

[Images\(1\)](#)

Cat.#: BF0413	Concn.: ~1mg/ml	Mol.Wt.: 119kDa
Size:	Source: Mouse	Clonality: Monoclonal

**Application:** ELISA 1:10000, WB 1:500-1:2000  
\*The optimal dilutions should be determined by the end user.

**Reactivity:** Human

**Storage:** Mouse IgG1 in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

**Purification:** Affinity-chromatography.

**Immunogen:** Purified recombinant fragment of human HDAC4 expressed in E. Coli.

**Uniprot:** P56524

**Description:** 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.

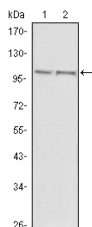


Figure 1: Western blot analysis using HDAC4 mouse mAb against HeLa (1), Jurkat (2) cell lysate.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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