

HDAC4 (N-terminus) monoclonal antibody

Catalog: MB0041

Host: Mouse

Reactivity: Human

Background:

In the intact cell, DNA closely associates with histones and other nuclear proteins to form chromatin. The remodeling of chromatin is believed to be a critical component of transcriptional regulation, and a major source of this remodeling is brought about by the acetylation of nucleosomal histones. Acetylation of lysine residues in the amino-terminal tail domain of histone results in an allosteric change in the nucleosomal conformation and an increased accessibility to transcription factors by DNA. Conversely, the deacetylation of histones is associated with transcriptional silencing. Several mammalian proteins have been identified as nuclear histone acetylases, including GCN5, p300/CBP, PCAF (p300/CBP associated factor), HAT1 and the TFIID subunit TAF II p250. Mammalian HDAC1 (also designated HD1), HDAC2 (also designated RPD3) and HDAC3-6 have been identified as histone deacetylases.

Product:

Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Molecular Weight:

Predicted band size: 120KDa

Observed band size: 130KDa

Swiss-Prot:

P56524

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:1000

ICC: 1:50~200

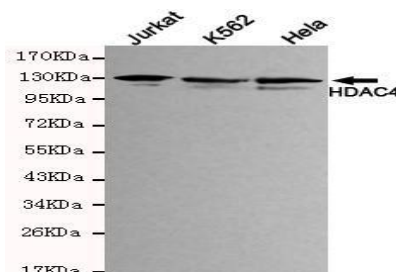
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

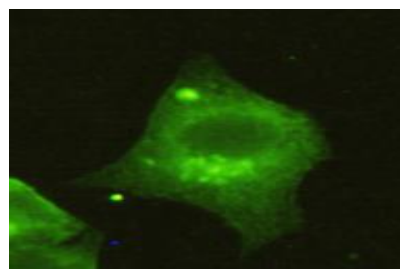
Specificity:

This antibody detects endogenous levels of HDAC4 (N-terminus) and does not cross-react with related proteins

DATA:



Western blot detection of HDAC4 in Jurkat, HeLa & K562 cell lysates using HDAC4 antibody (1:1000 diluted).



Immunocytochemistry of HeLa cells using anti-HDAC4 (N-terminus) antibody diluted 1:150.

Note:

For research use only, not for use in diagnostic procedure.

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