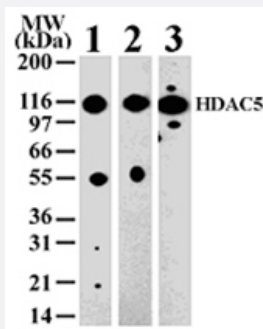


HDAC5 polyclonal antibody

Catalog # PAB0182 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of HDAC5 in 293 (lane 1) , Jurkat (lane 2) and NIH-3T3 (lane 3) cell lysate with HDAC5 polyclonal antibody (Cat # PAB0182) .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of HDAC5.
Immunogen	A synthetic peptide corresponding to amino acids 572-587 of human HDAC5.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- ChIP
- Western Blot (Cell lysate)

Western blot analysis of HDAC5 in 293 (lane 1) , Jurkat (lane 2) and NIH-3T3 (lane 3) cell lysate with HDAC5 polyclonal antibody (Cat # PAB0182) .

- Immunoprecipitation

Gene Info — HDAC5

Entrez GeneID [10014](#)

Gene Name HDAC5

Gene Alias FLJ90614, HD5, NY-CO-9

Gene Description histone deacetylase 5

Omim ID [605315](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 the class II histone deacetylase/ acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. It coimmunoprecipitates only with HDAC3 family member and might form multicomplex proteins. It also interacts with myocyte enhancer factor-2 (MEF2) proteins, resulting in repression of MEF2-dependent genes. This gene is thought to be associated with colon cancer. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations antigen NY-CO-9

Publication Reference

- [Epigenetic regulation of BDNF in the learned helplessness-induced animal model of depression.](#)

Su C, Su C, Hsiao Y, Gean P.

Journal of Psychiatric Research 2016 May; 76:101.

Application: ChIP, WB, Mouse, Hippocampal tissues

- [Direct p53 transcriptional repression: in vivo analysis of CCAAT-containing G2/M promoters.](#)

Imbriano C, Gurtner A, Cocchiarella F, Di Agostino S, Basile V, Gostissa M, Dobbelstein M, Del Sal G, Piaggio G, Mantovani R.

Molecular and Cellular Biology 2005 May; 25(9):3737.

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)