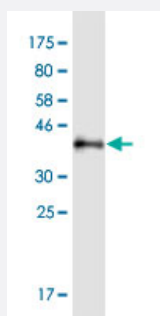


HDAC5 monoclonal antibody (M01A), clone 4G2

Catalog # H00010014-M01A

Size 200 uL

Applications



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant HDAC5.
Immunogen	HDAC5 (AAH51824, 330 a.a. ~ 429 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AENGFTGSVPNIPTTEMLPQHRALPLDSSPNQFSLYTSPSLPNISLGLQATVTVTNSHLTASPKLST QQEAERQALQSLRQGGTLTGKFMSTSSIPGCLLG
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — HDAC5

Entrez GeneID [10014](#)

GeneBank Accession# [BC051824](#)

Protein Accession# [AAH51824](#)

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

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)