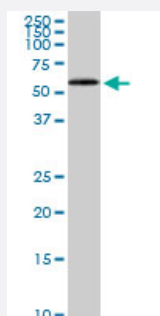


HDAC1 monoclonal antibody (M02), clone 3E1

Catalog # H00003065-M02

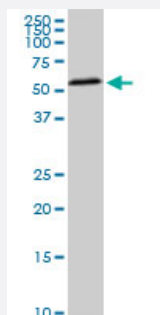
Size 100 ug

Applications



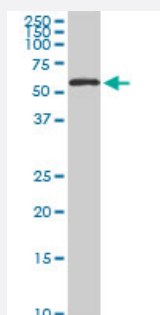
Western Blot (Cell lysate)

HDAC1 monoclonal antibody (M02), clone 3E1. Western Blot analysis of HDAC1 expression in Raw 264.7 (Cat # L024V1).



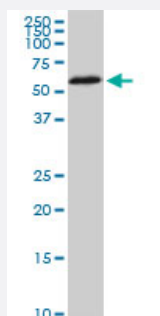
Western Blot (Cell lysate)

HDAC1 monoclonal antibody (M02), clone 3E1. Western Blot analysis of HDAC1 expression in PC-12 (Cat # L012V1).



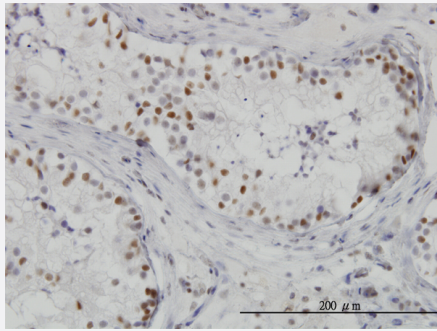
Western Blot (Cell lysate)

HDAC1 monoclonal antibody (M02), clone 3E1 Western Blot analysis of HDAC1 expression in Hela S3 NE (Cat # L013V3).



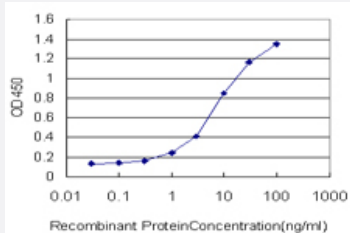
Western Blot (Cell lysate)

HDAC1 monoclonal antibody (M02), clone 3E1. Western Blot analysis of HDAC1 expression in NIH/3T3 (Cat # L018V1).



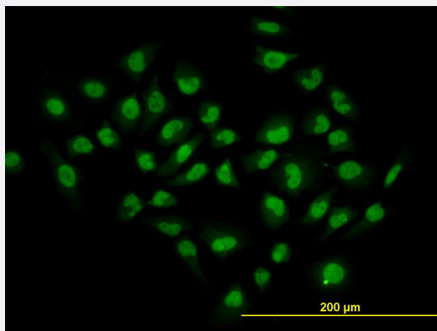
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to HDAC1 on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]



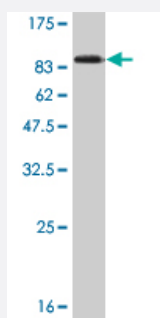
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HDAC1 is approximately 0.1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to HDAC1 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (78.76 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant HDAC1.

Immunogen

HDAC1 (AAH00301, 1 a.a. ~ 482 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence	MAQTQGTRRKVCYYYDGDVGNYYYGQGHPMKPHRIRMTHNLLLNYGLYRKMEYRPHKANAEEMT KYHSDDYKFLRSIRPDNMSEYSKQMQRFNVEDCPVFDGLFEFCQLSTGGSVASAVKLNKQQT DIAVNWAGGLHHAKKSEASGFCYVNDMLAILELLKYHQRVLYIDIDHHGDGVVEAFYTTDRVMTVS FHKYGEYFPGTGDLRDIGAGKGKYYAVNYPLRDGIDDES YEAFKPVMSKVMEMFQPSAVVLQCG SDSLSGDRLGCFNLTIKGHAKCVEFVKSFNLPMLMLGGGGYTIRNVARCWYETAVALDTEIPNEL PYNDYFEYFGPDFKLHISPSNMTNQNTNEYLEKIKQRLFENLRMLPHAPGVQMQAIPEDAIPESG DEDEDDPDKRISICSSDKRIACEEEFSDSEEEGEGGRKNSSNFKKAKRVKTEDEKEKDPEEKKE VTEEEKTKEEKPEAKGVKEEVKLA
Host	Mouse
Reactivity	Human, Mouse, Rat
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (78.76 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

HDAC1 monoclonal antibody (M02), clone 3E1. Western Blot analysis of HDAC1 expression in Raw 264.7 (Cat # L024V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

HDAC1 monoclonal antibody (M02), clone 3E1. Western Blot analysis of HDAC1 expression in PC-12 (Cat # L012V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

HDAC1 monoclonal antibody (M02), clone 3E1 Western Blot analysis of HDAC1 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Cell lysate)

HDAC1 monoclonal antibody (M02), clone 3E1. Western Blot analysis of HDAC1 expression in NIH/3T3 (Cat # L018V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to HDAC1 on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to HDAC1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — HDAC1

Entrez GeneID [3065](#)

GeneBank Accession# [BC000301](#)

Protein Accession# [AAH00301](#)

Gene Name HDAC1

Gene Alias DKFZp686H12203, GON-10, HD1, RPD3, RPD3L1

Gene Description histone deacetylase 1

Omim ID [601241](#)

Gene Ontology [Hyperlink](#)

Gene Summary Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis. [provided by RefSeq]

Other Designations

OTTHUMP00000008745|reduced potassium dependency, yeast homolog-like 1

Pathway

- [Cell cycle](#)
- [Chronic myeloid leukemia](#)
- [Notch signaling pathway](#)
- [Pathways in cancer](#)

Disease

- [Asthma](#)
- [Cognition Disorders](#)
- [Genetic Predisposition to Disease](#)
- [Huntington disease](#)
- [Mental Status Schedule](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Tobacco Use Disorder](#)