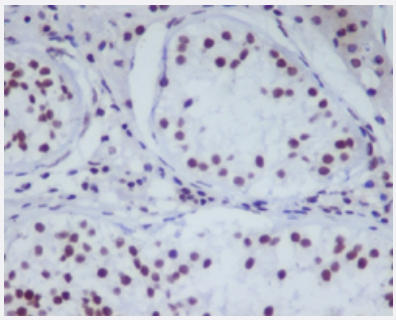
HDAC1 monoclonal antibody, clone AIB-8

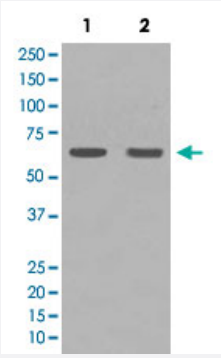
Catalog # MAB20120 Size 100 uL

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human testis with HDAC1 monoclonal antibody, clone AIB-8 (Cat # MAB20120).



Western Blot (Cell lysate)

Western Blot analysis of Lane 1: C6 and Lane 2: NIH/3T3 cell lysates with HDAC1 monoclonal antibody, clone AIB-8 (Cat # MAB20120).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human HDAC1.
Immunogen	A synthetic peptide corresponding to human HDAC1.
Host	Rabbit
Theoretical MW (kDa)	55.103
Reactivity	Human
Form	Liquid

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Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human testis with HDAC1 monoclonal antibody, clone AIB-8 (Cat # MAB20120).

- Immunofluorescence

- Immunocytochemistry

- Western Blot (Cell lysate)

  Western Blot analysis of Lane 1: C6 and Lane 2: NIH/3T3 cell lysates with HDAC1 monoclonal antibody, clone AIB-8 (Cat # MAB20120).

Gene Info — HDAC1

Entrez GeneID	3065
Protein Accession#	Q13547
Gene Name	HDAC1
Gene Alias	DKFZp686H12203, GON-10, HD1, RPD3, RPD3L1
Gene Description	histone deacetylase 1

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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 histon e deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also in teracts with retinoblastoma tumor-suppressor protein and this complex is a key element in the con trol of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deac etylates 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

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