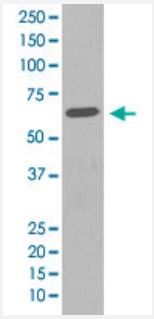
HDAC2 monoclonal antibody, clone AAE-8

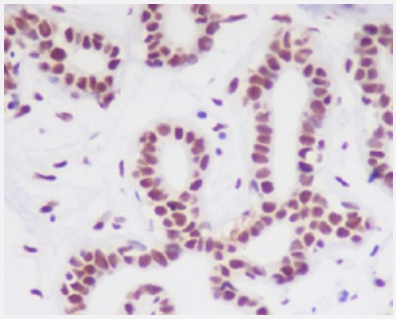
Catalog # MAB20123 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of K562 cell lysate with HDAC2 monoclonal antibody, clone AAE-8 (Cat # MAB20123).



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast with HDAC2 monoclonal antibody, clone AAE-8 (Cat # MAB20123).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human HDAC2.
Immunogen	A synthetic peptide corresponding to human HDAC2.
Host	Rabbit
Theoretical MW (kDa)	55.364
Reactivity	Human
Form	Liquid
Purification	Affinity purification

Isotype	IgG
Recommend Usage	Flow Cytometry (1:50) Immunocytochemistry (1:50-1:100) Immunofluorescence (1:50-1:100) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:100) Immunoprecipitation (1:30) 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

- Western Blot (Cell lysate)

  Western Blot analysis of K562 cell lysate with HDAC2 monoclonal antibody, clone AAE-8 (Cat # MAB20123).

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

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast with HDAC2 monoclonal antibody, clone AAE-8 (Cat # MAB20123).

- Immunocytochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry

Gene Info — HDAC2

Entrez GeneID	3066
Protein Accession#	Q92769
Gene Name	HDAC2

Gene Alias	RPD3, YAF1
Gene Description	histone deacetylase 2
Omim ID	605164
Gene Ontology	Hyperlink
Gene Summary	This gene product belongs to the histone deacetylase family. Histone deacetylases act via the for mation of large multiprotein complexes and are responsible for the deacetylation of lysine residue s on the N-terminal region of the core histones (H2A, H2B, H3 and H4). This protein also forms tra nscriptional repressor complexes by associating with many different proteins, including YY1, a ma mmalian zinc-finger transcription factor. Thus it plays an important role in transcriptional regulation , cell cycle progression and developmental events. [provided by RefSeq
Other Designations	OTTHUMP00000040427|YY1-associated factor 1|transcriptional regulator homolog RPD3

Pathway

- Cell cycle
- Chronic myeloid leukemia
- Notch signaling pathway
- Pathways in cancer

Disease

- ACTH-Secreting Pituitary Adenoma
- Adenoma
- Asthma
- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease

- Neoplasms
- Ovarian cancer
- Ovarian Neoplasms