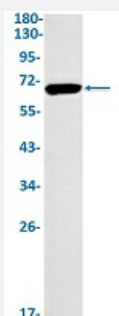


RecomAb™

HDAC1 recombinant monoclonal antibody, clone R09-7G9

Catalog # RAB02232 Size 100 uL

Applications



Western Blot

Western Blot analysis of K562 lysates with HDAC1 recombinant monoclonal antibody, clone R09-7G9 (Cat # RAB02232).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human HDAC1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human HDAC1.
Theoretical MW (kDa)	Calculated MW: 55 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence(1:50-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

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

- Western Blot

Western Blot analysis of K562 lysates with HDAC1 recombinant monoclonal antibody, clone R09-7G9 (Cat # RAB02232).

- Immunofluorescence

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

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](#)