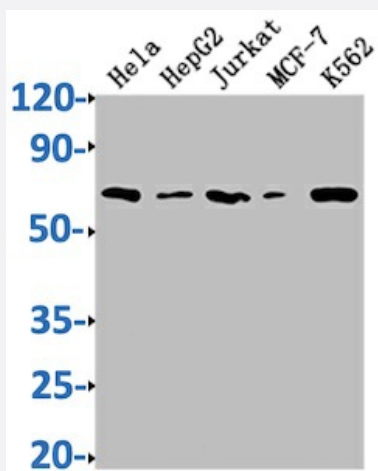


RecomAb™

HDAC2 recombinant monoclonal antibody, clone 9E9

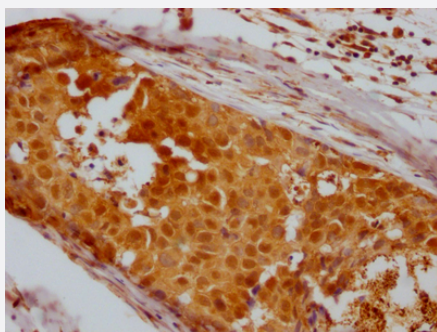
Catalog # RAB04023 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: HeLa whole cell lysate; Lane 2: HepG2 whole cell lysate; Lane 3: Jurkat whole cell lysate; Lane 4: MCF-7 whole cell lysate; Lane 5: K562 whole cell lysate.



Immunohistochemistry

Immunohistochemistry image of HDAC2 recombinant monoclonal antibody, clone 9E9 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human HDAC2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human HDAC2.
Reactivity	Human

Form	Liquid
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	store at -20 °C or -80 °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 Lane 1: Hela whole cell lysate; Lane 2: HepG2 whole cell lysate; Lane 3: Jurkat whole cell lysate; Lane 4: MCF-7 whole cell lysate; Lane 5: K562 whole cell lysate.

- Immunohistochemistry

Immunohistochemistry image of HDAC2 recombinant monoclonal antibody, clone 9E9 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system.

- Enzyme-linked Immunoabsorbent Assay

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 formation of large multiprotein complexes and are responsible for the deacetylation of lysine residues on the N-terminal region of the core histones (H2A, H2B, H3 and H4). This protein also forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian 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](#)