

Anti-HDAC3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

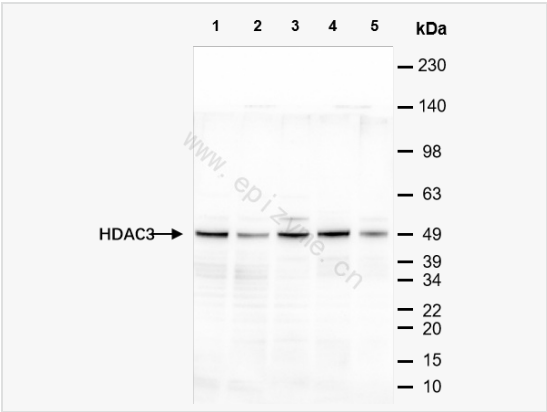
Catalog # R011526

Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:3,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	91K27K05
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human HDAC3
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-HDAC3 antibody [91K27K05] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	HD3, HDAC 3, HDAC3, HDAC3_HUMAN, Histone deacetylase 3, RPD3 2, RPD3, RPD3-2, SMAP45.
Calculated MW	Calculated MW: 49 kDa; Observed MW: 49 kDa
Uniprot ID	O15379
Gene ID	8841
Background	Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter. It may participate in the regulation of transcription through its binding with the zinc-finger transcription factor YY1. This protein can also down-regulate p53 function and thus modulate cell growth and apoptosis. This gene is regarded as a potential tumor suppressor gene. [provided by RefSeq, Jul 2008]
Cellular Location	Nucleus.
Tissue Location	Widely expressed.



Western Blot - Anti-HDAC3 Rabbit mAb [91K27K05]
All lanes: R011526 at 1:3,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates
Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 49 kDa
Observed band size: 49 kDa
Developed using the ECL technique (Cat. No. SQ201).