Product **Datasheet**

Anti-HDAC1 Rabbit pAb

WL01297

For Research Use Only.Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-HDAC1 Rabbit pAb
Source	Rabbit
Species reactivity	Human, Mouse, Rat
Tested applications	WB 1:1000-1:2000
Pack size	50/100/200/500/1000μl
Storage	Store at -20°C. Avoid freeze/thaw cycles.
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml
	BSA, 50% glycerol and less than 0.02% sodium azide

General Information

Background

Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. Mammalian HDAC1 (also designated Hd1), HDAC2 (also designated mammalian RPD3) and HDAC3, all of which are related to the yeast transcriptional regulator Rpd3p, have been identified as histone deacetylases. Acetylation of lysine residues in the amino-terminal tail domain of histone results in an allosteric change in the nucleosomal conformation and an increased accessibility to transcription factors by DNA. Conversely, the deacetylation of histones is associated with transcriptional silencing.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of HDAC1.

Purification

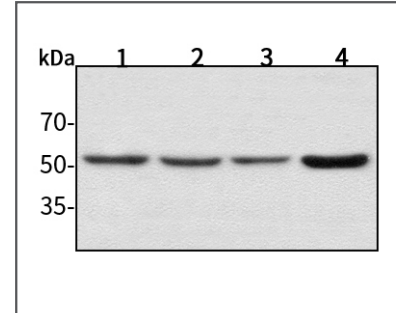Polyclonal antibody was purified by Protein A affinity chromatography.


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Product Images

Western blot-Anti-HDAC1 pAb

Lane 1: Human HepG2 cell lysate
Lane 2: Human Hela cell lysate
Lane 3: Human BGC-823 cell lysate
Lane 4: Human MGC-803 cell lysate
All lanes: Anti-HDAC1 at 1:1000 dilution
Lysates/proteins at 20-50 μg per lane.
Predicted band size: 55 kDa
Observed band size: 55 kDa
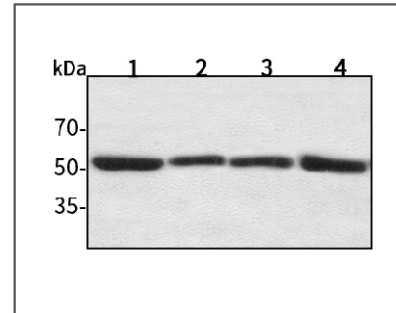
Western blot-Anti-HDAC1 pAb

Lane 1: Mouse kidney tissue lysate
Lane 2: Mouse heart tissue lysate
Lane 3: Rat liver tissue lysate
Lane 4: Rat kidney tissue lysate
All lanes: Anti-HDAC1 at 1:1000 dilution
Lysates/proteins at 20-50 μg per lane.
Predicted band size: 55 kDa
Observed band size: 55 kDa