Rabbit Anti-HDAC8 Polyclonal Antibody

CPB-688RH Rabbit(HDAC8)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-HDAC8 Polyclonal Antibody
Antigen Description	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 HDAC8 gene belongs to class I of the histone deacetylase family. It catalyzes the deacetylation of lysine residues in the histone N-terminal tails and represses transcription in large multiprotein complexes with transcriptional co-repressors.Multiple transcript variants encoding different isoforms have been found for this gene.
specificity	The antibody detects endogenous level of HDAC8 only when phosphorylated at serine 39.
Target	HDAC8
Immunogen	Peptide sequence around phosphorylation site of serine 39 (R-A-S(p)-M-V) derived from Human HDAC8.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	IFA,IHC

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C /1 year

ANTIGEN GENE INFORMATION

Gene Name	HDAC8 histone deacetylase 8 [Homo sapiens]
Official Symbol	HDAC8
Synonyms	HDAC8; histone deacetylase 8; HDACL1, histone deacetylase like 1; RPD3; histone deacetylase-like 1; HD8; CDA07; HDACL1;
GeneID	55869
mRNA Refseq	NM_001166418
Protein Refseq	NP_001159890
MIM	300269
UniProt ID	Q9BY41
Chromosome Location	Xq13

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Pathway	Cell cycle, organism-specific biosystem; NOTCH1 Intracellular Domain Regulates Transcription, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by NOTCH, organism-specific biosystem; Signaling by NOTCH1, organism-specific biosystem; Signaling events mediated by HDAC Class I, organism-specific biosystem;
Function	NAD-dependent histone deacetylase activity (H3-K14 specific); NAD-dependent histone deacetylase activity (H3-K9 specific); NAD-dependent histone deacetylase activity (H4-K16 specific); histone deacetylase activity; histone deacetylase activity (H3-K16 specific); hydrolase activity; metal ion binding; transcription factor binding;

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