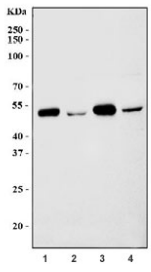
Histone Deacetylase 8 Antibody / HDAC8 (RQ6773)

Catalog No.	Formulation	Size
RQ6773	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9BY41
Applications	Western blot: 1-2ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Histone Deacetylase 8 antibody is available for research use only.



Western blot testing of 1) rat heart, 2) rat brain, 3) mouse heart and 4) mouse brain tissue lysate with Histone Deacetylase 8 antibody. Expected molecular weight: 42-46 kDa.

Description

HDAC8, Histone deacetylase 8, is an enzyme that in humans is encoded by the HDAC8 gene, and is biologically involved in skull morphogenesis and metabolic control of the ERR-alpha/PGC1-alpha transcriptional complex. Sequence analysis predicted that the 377-amino acid HDAC8 protein contains the 9 conserved HDAC blocks that are presumably important for catalytic function. HDAC8 shares 54% sequence similarity with HDAC1 and HDAC2 and 39% similarity with HDAC3, making it a class I HDAC. 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 class I of the histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter.

Application Notes

Optimal dilution of the Histone Deacetylase 8 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids D29-E347) was used as the immunogen for the Histone Deacetylase 8 antibody.

Storage

After reconstitution, the Histone Deacetylase 8 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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