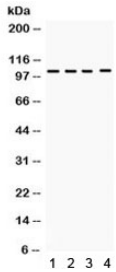
HDAC7 Antibody (R32287)

Catalog No.	Formulation	Size
R32287	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q8WUI4
Applications	Western blot: 0.1-0.5ug/ml
Limitations	This HDAC7 antibody is available for research use only.



Western blot testing of 1) rat spleen, 2) rat thymus, 3) human placenta and 4) HeLa lysate with HDAC7 antibody. Expected/observed molecular weight ~103 kDa.

Description

Histone deacetylase 7 is an enzyme that in humans is encoded by the HDAC7 gene. It is mapped to 12q13.1. 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 has sequence homology to members of the histone deacetylase family. This gene is orthologous to mouse HDAC7 gene whose protein promotes repression mediated via the transcriptional corepressor SMRT. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the HDAC7 antibody should be determined by the researcher.

Immunogen

Amino acids QLLHKDKSKRSAVASSVVKQKLAEVILKKQQAALER of human HDAC7 were used as the immunogen for the HDAC7 antibody.

Storage

After reconstitution, the HDAC7 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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