



# Anti-HDAC7 (full length) polyclonal antibody (DPAB-DC2187)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	HDAC7A (AAH06453.1, 1 a.a. ~ 276 a.a) full-length recombinant protein with GST tag. The sequence is MGFCFFNSVAIACRQLQQQSKASKILIVDWDVHHGNGTQQTFYQDPSVLYISLHRHDDGN FFPGSGAVDEVGAGSGEGFNVNVAWAGGLDPPMGDPEYLAAFRIVVMPIAREFSPDLVLV SAGFDAAEGHPAPLGGYHVSACFCGYMTQQLMNLAGGAVVLALEGGHDLTAICDASEACV AALLGNRVDPLSEEGWKQKPNLNAIRSLEAVIRVHSKYWGCMQRLASCPDSWVPRVPGAD KEEVEAVTALASLSVGILAEDRPSEQLVEEEEPMNL
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

Gene Name	<a href="#">HDAC7 histone deacetylase 7 [ Homo sapiens (human) ]</a>
Official Symbol	HDAC7
Synonyms	HDAC7; histone deacetylase 7; HD7A; HDAC7A; HD7; histone deacetylase 7A;
Entrez Gene ID	<a href="#">51564</a>
Protein Refseq	<a href="#">NP_001091886</a>
UniProt ID	<a href="#">Q8WUI4</a>
Chromosome Location	12q13.1
Pathway	Alcoholism; B Cell Receptor Signaling Pathway; Constitutive Signaling by NOTCH1 HD+PEST Domain Mutants; Disease
Function	14-3-3 protein binding; NAD-dependent histone deacetylase activity (H3-K14 specific); NAD-dependent histone deacetylase activity (H3-K18 specific); NAD-dependent histone deacetylase activity (H3-K9 specific)