
Product Name: HDAC3 (3G3) Mouse Monoclonal Antibody**Catalog #: AMM03478**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000
Molecular Weight	Calculated MW: 49 kDa; Observed MW: 49 kDa

Antigen Information

Gene Name	HDAC3
Alternative Names	HDAC3; Histone deacetylase 3; HD3; RPD3-2; SMAP45
Gene ID	8841
SwissProt ID	O15379
Immunogen	A synthetic peptide of human HDAC3

Background

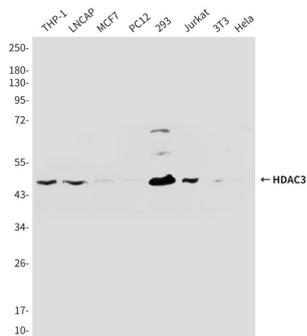
HDAC3 is a nuclear and cytoplasmic protein that deacetylates both histone (H2A, H3, H4) and non-histone substrates (RelA, SRY, p53, MEF2, PCAF and p300/CBP). HDAC3 deacetylase activity is stimulated by interactions with the N-CoR and SMRT co-

repressor proteins. Together, these three proteins form a functional complex that represses transcription associated with nuclear hormone receptors and other transcription factors, including Rev-Erb, COUP-TF, DAX1, MAD and Pit-1.

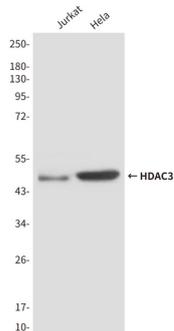
Research Area

Epigenetics and Nuclear Signaling

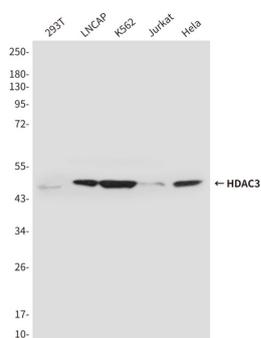
Image Data



Western blot analysis of HDAC3 in THP-1, LNCAP, MCF-7, PC-12, 293, Jurkat, 3T3 and Hela lysates using HDAC3 antibody.



Western blot analysis of HDAC3 (3G3) in Jurkat and Hela lysates using HDAC3 antibody.



Western blot analysis of HDAC3 (3G3) in HDAC3 knock down 293T, wildtype (WT), K562, Jurkat and Hela lysates using HDAC3 antibody.