

HDAC3 Antibody

Catalog No: #21660

Package Size: #21660-1 50ul #21660-2 100ul #21660-4 25ul

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Description

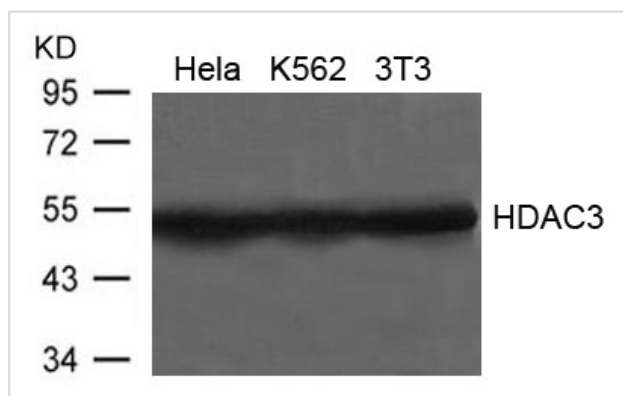
Product Name	HDAC3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total HDAC3 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.420~424(N-D-K-E-S) derived from Human HDAC3.
Target Name	HDAC3
Other Names	HD3; RPD3; RPD3-2
Accession No.	Swiss-Prot: O15379NCBI Protein: NP_003874.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 49kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HeLa, K562 and 3T3 cells using HDAC3 Antibody #21660.

Background

Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a

tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Probably participates in the regulation of transcription through its binding to the zinc-finger transcription factor YY1; increases YY1 repression activity. Required to repress transcription of the POU1F1 transcription factor. Acts as a molecular chaperone for shuttling phosphorylated NR2C1 to PML bodies for sumoylation

Wei L.-N., Hu X., Chandra D., Seto E., Farooqui M.J. Biol.Chem. 275:40782-40787(2000)

Li H., Leo C., Zhu J., Wu X., O'Neil J., Park E.-J., Chen J.D.Mol. Cell. Biol. 20:1784-1796(2000)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.