

HDAC3 rabbit pAb

Cat#: orb765375 (Manual)

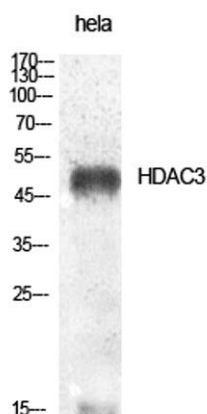
For research use only. Not intended for diagnostic use.

Product Name	HDAC3 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human HDAC3. AA range:379-428
Specificity	HDAC3 Polyclonal Antibody detects endogenous levels of HDAC3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Histone deacetylase 3
Gene Name	HDAC3
Cellular localization	Nucleus . Cytoplasm . Cytoplasm, cytosol . Colocalizes with XBP1 and AKT1 in the cytoplasm (PubMed:25190803). Predominantly expressed in the nucleus in the presence of CCAR2 (PubMed:21030595). .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

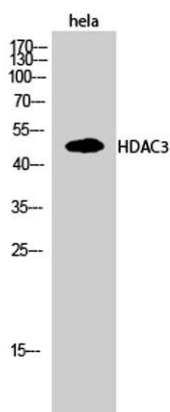
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	48kD
Human Gene ID	8841
Human Swiss-Prot Number	O15379
Alternative Names	HDAC3; Histone deacetylase 3; HD3; RPD3-2; SMAP45

Background

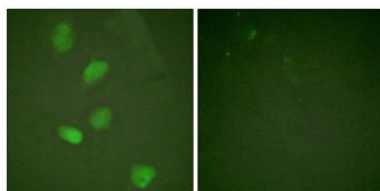
Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter. It may participate in the regulation of transcription through its binding with the zinc-finger transcription factor YY1. This protein can also down-regulate p53 function and thus modulate cell growth and apoptosis. This gene is regarded as a potential tumor suppressor gene. [provided by RefSeq, Jul 2008],



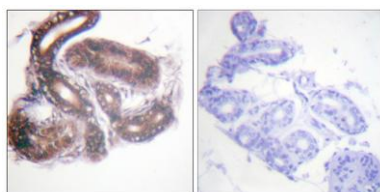
Western Blot analysis of various cells using HDAC3 Polyclonal Antibody diluted at 1:1000



Western Blot analysis of hela cells using HDAC3 Polyclonal Antibody diluted at 1:1000



Immunofluorescence analysis of HeLa cells, using HDAC3 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human skin tissue, using HDAC3 Antibody. The picture on the right is blocked with the synthesized peptide.