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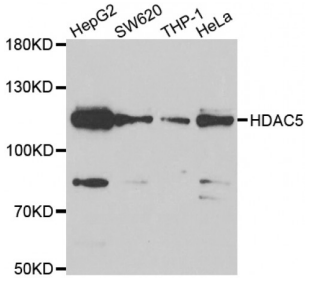
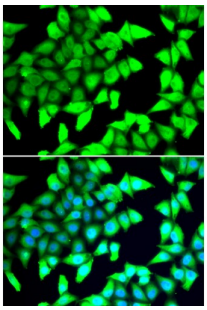
DATASHEET

Histone Deacetylase 5 (HDAC5) Antibody

Catalogue No.:abx005424



Western blot analysis of extracts of various cell lines, using HDAC5 antibody (abx005424) at 1/1000 dilution.



Immunofluorescence analysis of A549 cells using HDAC5 antibody (abx005424). Blue: DAPI for nuclear staining.

HDAC5 Antibody is a Rabbit Polyclonal antibody against HDAC5. 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 class II histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. It coimmunoprecipitates only with HDAC3 family member and might form multicomplex proteins. It also interacts with myocyte enhancer factor-2 (MEF2) proteins, resulting in repression of MEF2-dependent genes. This gene is thought to be associated with colon cancer. Two transcript variants encoding different isoforms have been found for this gene.

Target:	HDAC5
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Tested Applications:	WB, IF/ICC
Recommended dilutions:	WB: 1/500 - 1/2000, IF/ICC: 1/20 - 1/50. Optimal dilutions/concentrations should be determined by the end user.
Immunogen:	A synthetic peptide of human HDAC5.
Purification:	Affinity purified.

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Form:	Liquid
Isotype:	IgG
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Molecular Weight:	Calculated MW: 112 kDa/121 kDa/122 kDa Observed MW: 122 kDa
Swiss Prot:	Q9UQL6
GeneID:	10014
Gene Symbol:	HDAC5
Concentration:	> 1 mg/ml
Buffer:	PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.
Note:	This product is for research use only.