

Product datasheet for **AP06159PU-M**

HDAC5 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry on paraffin sections: 1/50-1/200. Immunofluorescence: 1/50-1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 460-512 of Human HDAC5.
Specificity:	This antibody detects endogenous levels of HDAC5 protein. (region surrounding Pro492)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 121 kDa
Gene Name:	histone deacetylase 5
Database Link:	Entrez Gene 10014 Human Q9UQL6



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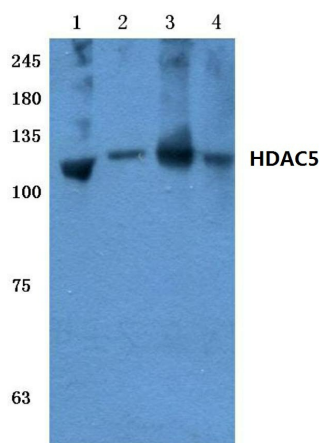
Background:

HDAC5 is a member of the class II mammalian histone deacetylase family, which is structurally related to yeast HDA1. Human HDAC5 is composed of 1122 amino acid residues. The deacetylase domain of HDAC5 is located at the C-terminal half of the molecule. The N-terminal non-deacetylase domain does not show any significant homology with any published sequence. Both domains are required for HDAC5-mediated repression of gene transcription. HDAC5 interacts with a growing number of transcriptional factors including MEF2A as well as other HDAC proteins. The interacting complexes bind to specific regions of chromatin and regulate gene transcription in these regions.

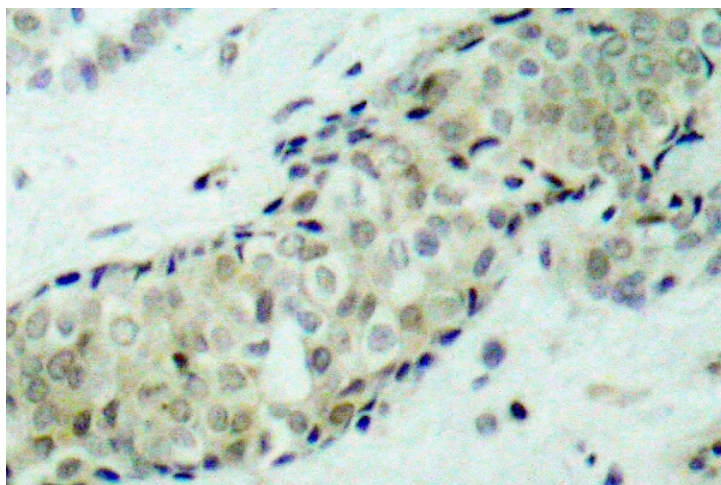
Synonyms:

Histone deacetylase 5, HD5, KIAA0600, Antigen NY-CO-9

Product images:



Western blot (WB) analysis of HDAC5 antibody at 1/500 dilution Lane 1: Hela cell lysate Lane 2: NIH-3T3 cell lysate Lane 3: H9C2 cell lysate Lane 4: MCF-7 cell lysate



Immunohistochemistry (IHC) analysis of HDAC5 antibody in paraffin-embedded human breast carcinoma tissue.