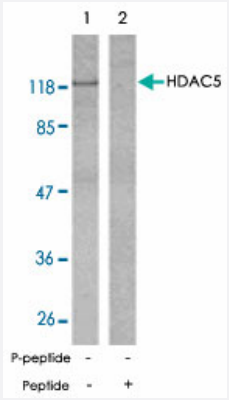
HDAC5 polyclonal antibody

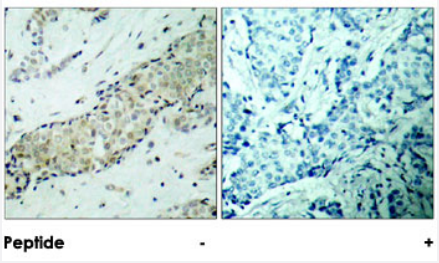
Catalog # PAB26710 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from NIH/3T3 cells using HDAC5 polyclonal antibody (Cat # PAB26710).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HDAC5 polyclonal antibody (Cat # PAB26710).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of HDAC5.
Immunogen	A synthetic peptide corresponding to residues surrounding S498 of human HDAC5.
Sequence	T-Q-Sp-S-P
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid

Purification	Affinity chromatography
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of extracts from NIH/3T3 cells using HDAC5 polyclonal antibody (Cat # PAB26710).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HDAC5 polyclonal antibody (Cat # PAB26710).

Gene Info — HDAC5

Entrez GeneID	10014
Protein Accession#	Q9UQL6
Gene Name	HDAC5
Gene Alias	FLJ90614, HD5, NY-CO-9
Gene Description	histone deacetylase 5
Omim ID	605315
Gene Ontology	Hyperlink

Gene Summary	Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription fa ctor 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 teth ered to a promoter. It coimmunoprecipitates only with HDAC3 family member and might form mult icomplex proteins. It also interacts with myocyte enhancer factor-2 (MEF2) proteins, resulting in re pression of MEF2-dependent genes. This gene is thought to be associated with colon cancer. Tw o transcript variants encoding different isoforms have been found for this gene. [provided by RefS eq
Other Designations	antigen NY-CO-9

Disease

- Asthma
- Cardiovascular Diseases
- Depressive Disorder
- Diabetes Mellitus
- Edema
- Fractures
- Genetic Predisposition to Disease