

NY-CO-9 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP06244
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human HDAC5. AA range:1073-1122
Mol wt	121992
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	NY-CO-9 Antibody
Synonyms	HDAC5; KIAA0600; Histone deacetylase 5; HD5; Antigen NY-CO-9

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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. Histone deacetylase 5 by HDAC5 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. HDAC5 is thought to be associated with colon cancer. Two transcript variants encoding different isoforms have been found for HDAC5.

Recommended Dilution

WB: 1: 500 - 1: 2000

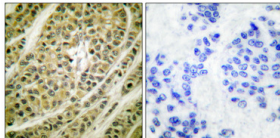
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

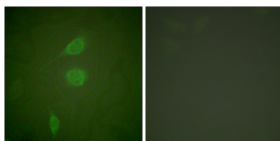
ELISA: 1: 20000

Not yet tested in other applications.

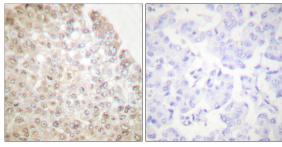
Images



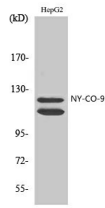
Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



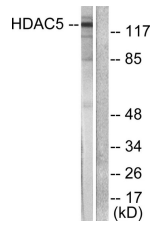
Immunofluorescence analysis of NIH/3T3 cells, using HDAC5 Antibody. The picture on the right is blocked with the synthesized peptide.



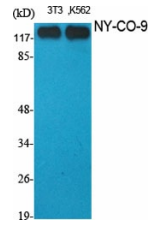
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using HDAC5 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of HepG2 cells using NY-CO-9 Polyclonal Antibody



Western blot analysis of lysates from HepG2 cells, treated with PMA 125ng/ml 30', using HDAC5 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using NY-CO-9 Polyclonal Antibody

Storage

-20°C for one year

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