

HDAC5(Phospho Ser498) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00842
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	The antiserum was produced against synthesized peptide derived from human HDAC5 around the phosphorylation site of Ser498. AA range:464-513
Mol wt	121992
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ICC, ELISA
Concentration	1 mg/ml
Full name	Histone deacetylase 5
Synonyms	Histone deacetylase 5; 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. 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.

Recommended Dilution

WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

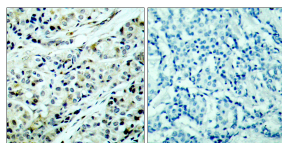
IF: 1: 200 - 1: 1000

ICC: 1: 200 - 1: 1000

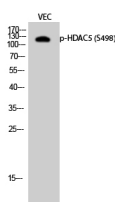
ELISA: 1: 20000

Not yet tested in other applications.

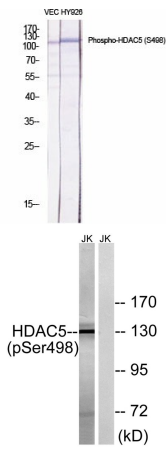
Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using HDAC5 (Phospho-Ser498) Antibody. The picture on the right is blocked with the phospho peptide.



Western Blot analysis of various cells using Phospho-HDAC5 (S498) Polyclonal Antibody diluted at 1:500



Western Blot analysis of VEC cells using Phospho-HDAC5 (S498) Polyclonal Antibody diluted at 1:500

Western blot analysis of lysates from Jurkat cells, using HDAC5 (Phospho-Ser498) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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