

HDAC4/HDAC5/HDAC9(Ab-246/259/220) Antibody

Catalog No: #21517



Package Size: #21517-1 50ul #21517-2 100ul #21517-4 25ul

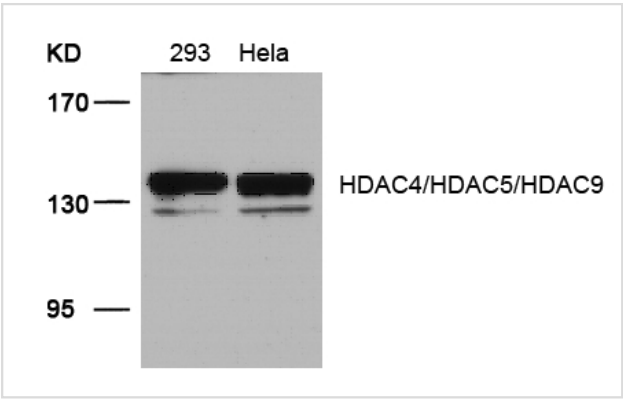
Overview

Product Name	HDAC4/HDAC5/HDAC9(Ab-246/259/220) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC IF
Species Reactivity	Human Mouse
Immunogen Type	Peptide-KLH
Target Name	HDAC4/HDAC5/HDAC9
Alternative Names	HD4/HD5/HD9

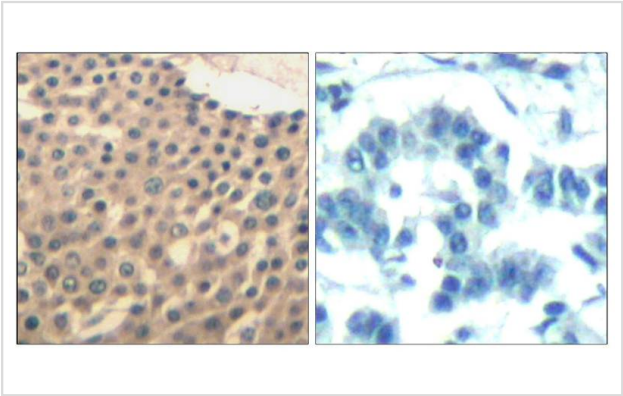
Application Details

Predicted MW: 140 124 kd
Western blotting: 1:500~1:1000
Immunohistochemistry: 1:50~1:100
Immunofluorescence: 1:100~1:200

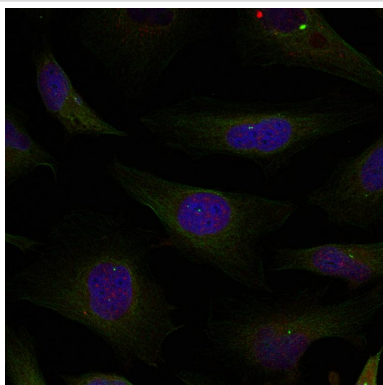
Images



Western blot analysis of extracts from 293 and Hela cells using HDAC4/HDAC5/HDAC9(Ab-246/259/220) Antibody #21517.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using HDAC4/HDAC5/HDAC9(Ab-246/259/220) Antibody #21517(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using HDAC4/HDAC5/HDAC9(Ab-246/259/220) Antibody #21517.

Descriptions

Immunogen	Peptide sequence around aa.244~248/257~261/218~222 (T-A-S-E-P) derived from Human HDAC4/HDAC5/HDAC9.
Specificity	The antibody detects endogenous level of total HDAC4/HDAC5/HDAC9 protein.
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: P56524 Q9UQL6 Q9UKV0NCBI Protein: NP_006028.2 NP_001015053.1 NP_055522.1

Related Information

Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Involved in muscle maturation via its interaction with the myocyte enhancer factors such as MEF2A, MEF2C and MEF2D.

Cress, W.D. and Seto, E. (2000) J Cell Physiol 184, 1-16.

Vigushin, D.M. and Coombes, R.C. (2004) Curr. Cancer Drug Targets 4, 205-218.

Marmorstein, R. (2001) Cell Mol Life Sci 58, 693-703.

Thiagalingam, S. et al. (2003) Ann. N.Y. Acad. Sci. 983, 84-100.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.