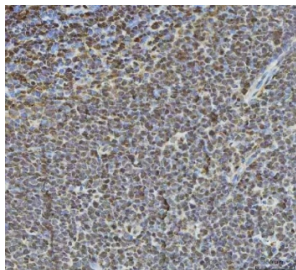


Histone deacetylase 1 Antibody / HDAC1 (RQ7277)

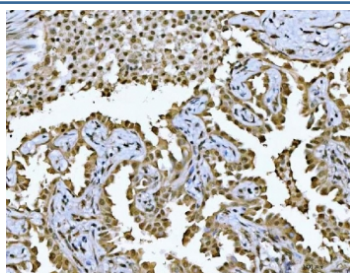
Catalog No.	Formulation	Size
RQ7277	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

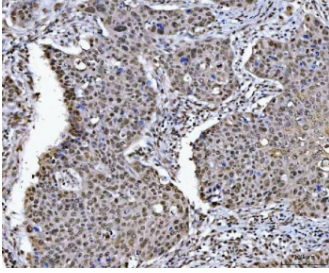
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q13547
Localization	Nuclear
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This Histone deacetylase 1 antibody is available for research use only.



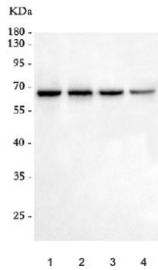
IHC staining of FFPE human tonsil tissue with Histone deacetylase 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



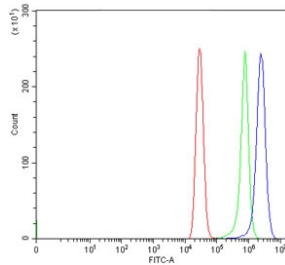
IHC staining of FFPE human lung cancer tissue with Histone deacetylase 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human esophageal squamous carcinoma tissue with Histone deacetylase 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) MOLT4, 2) Jurkat, 3) HL60 and 4) U-251 cell lysate with Histone deacetylase 1 antibody. Predicted molecular weight 55–60 kDa.



Flow cytometry testing of human MCF7 cells with Histone deacetylase 1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=Histone deacetylase 1 antibody.

Description

Histone deacetylase 1 is an enzyme that in humans is encoded by the HDAC1 gene. Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis. Furukawa et al.(1996) mapped RPD3L1 to 1p34.1 by fluorescence in situ hybridization.

Application Notes

Optimal dilution of the Histone deacetylase 1 antibody should be determined by the researcher.

Immunogen

Amino acids DDES YEAI FKPVMSKV MEMFQ were used as the immunogen for the Histone deacetylase 1 antibody.

Storage

After reconstitution, the Histone deacetylase 1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

