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Anti-HDAC10 Rabbit Monoclonal Antibody

Catalog # ABO13848

Product Information

Application	WB, IF, ICC, IP
Primary Accession	Q969S8
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-HDAC10 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF, IP applications. This antibody reacts with Human, Mouse.

Additional Information

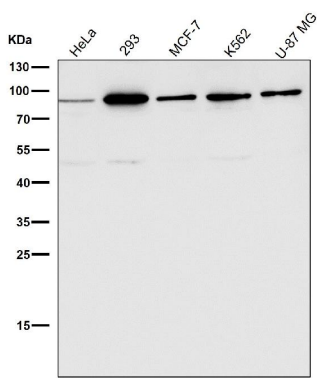
Gene ID	83933
Other Names	Polyamine deacetylase HDAC10, 3.5.1.48, 3.5.1.62, Histone deacetylase 10, HD10, HDAC10
Calculated MW	71445
Application Details	WB 1:1000-1:2000 ICC/IF 1:50-1:200 IP 1:50
Subcellular Localization	Cytoplasm. Nucleus. Excluded from the nucleoli.
Tissue Specificity	Ubiquitous. High expression in liver, spleen, pancreas and kidney.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: HEO-8
Immunogen	A synthesized peptide derived from human HDAC10
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

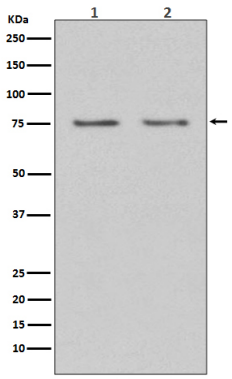
Name	HDAC10

Function	Polyamine deacetylase (PDAC), which acts preferentially on N(8)-acetylspermidine, and also on acetylcadaverine and acetylputrescine (PubMed:28516954). Exhibits attenuated catalytic activity toward N(1),N(8)-diacetylspermidine and very low activity, if any, toward N(1)-acetylspermidine (PubMed:28516954). Histone deacetylase activity has been observed in vitro (PubMed:11677242, PubMed:11726666, PubMed:11739383, PubMed:11861901). Has also been shown to be involved in MSH2 deacetylation (PubMed:26221039). The physiological relevance of protein/histone deacetylase activity is unclear and could be very weak (PubMed:28516954). May play a role in the promotion of late stages of autophagy, possibly autophagosome- lysosome fusion and/or lysosomal exocytosis in neuroblastoma cells (PubMed:23801752, PubMed:29968769). May play a role in homologous recombination (PubMed:21247901). May promote DNA mismatch repair (PubMed:26221039).
Cellular Location	Cytoplasm. Nucleus Note=Excluded from nucleoli.
Tissue Location	Widely expressed with high levels in liver and kidney.

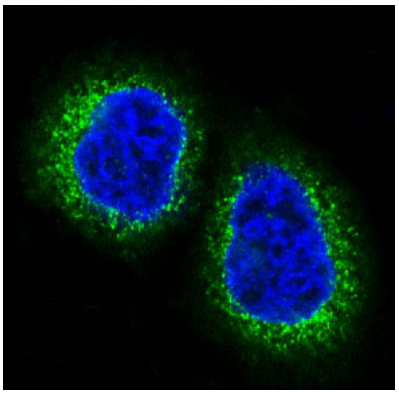
Images



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Western blot analysis of HDAC10 expression in (1) HeLa cell lysate; (2) 3T3 cell lysate.



Immunofluorescent analysis of Hela cells, using HDAC10 Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.