10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KD-Validated Anti-Histone deacetylase 10 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1053

Product Information

Application	WB, FC, ICC
Primary Accession	Q969S8
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB6050
Calculated MW	71445
Gene Name	HDAC10
Aliases	HDAC10; Histone Deacetylase 10; Polyamine Deacetylase HDAC10; DKFZP761B039; HD10; EC 3.5.1.; EC 3.5.1.
Immunogen	A synthesized peptide derived from human HDAC10

Additional Information

Gene ID	83933
Other Names	Polyamine deacetylase HDAC10, 3.5.1.48, 3.5.1.62, Histone deacetylase 10, HD10, HDAC10

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.

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