For Research Use Only

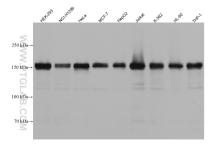
HDAC6 Monoclonal antibody

Catalog Number:67250-1-lg 2 Publications

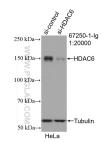


Basic Information	Catalog Number: 67250-1-lg	GenBank Accession Number: BC013737		Purification Method: Protein A purification	
	Size: GenelD (NCBI):			CloneNo.:	
	150ul , Concentration: 1500 ug/ml by 10013			1C7C3	
	Nanodrop and 1000 ug/ml by Bradford _{UNIPROT ID:} method using BSA as the standard; Q9UBN7		Recommended Dilutions: WB 1:5000-1:50000		
	Source: Mouse	Full Name: histone deacetylase 6 Calculated MW:		IHC 1:500-1:2000 IF/ICC 1:400-1:1600	
	lsotype: lgG1				
	Immunogen Catalog Number:	1063 aa, 114 kDa, 131 kDa Observed MW: 150-160 kDa			
	AG28585				
Applications	Tested Applications:	Positive Controls:		trols:	
	WB, IHC, IF/ICC, ELISA		WB : HEK-293 cells, HeLa cells, NCI-H1299 cells, MCF-7		
	Cited Applications: WB, IF, IP	cells, HepG THP-1 cells		52 cells, Jurkat cells, K-562 cells, HL-60 cells s	
	Species Specificity: Human		IHC : human tissue	lung cancer tissue, human breast cancer	
	Cited Species: human, mouse	in recente		G2 cells, SH-SY5Y cells	
	Note-IHC: suggested antigen ro TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0	vely, antigen			
Background Information	Histone deacetylases(HDAC) are a class of enzymes that remove the acetyl groups from the lysine residues leading to the formation of a condensed and transcriptionally silenced chromatin. At least 4 classes of HDAC were identified. HDAC6 is a member of the class II mammalian histone deacetylases. It possesses two separate putative catalytic domains. Both catalytic domains are fully functional HDACs and contribute independently to the overall activity of HDAC6 protein. A very potent NES is present at the amino-terminus of HDAC6, which was found to play an important role in regulating the shuttling of HDAC6 function. The expression of HDAC6 is tightly linked to the state of cell differentiation. HDAC6 may participate in coordinating expression of a group of genes involved in the remodelling of chromatin during cell differentiation. HDAC6 has some splicing variants such as P114(~130kd), P131(~160kd).This antibody is raised against residues near the C terminal of human HDAC6. The calculated molecular weight of HDAC6 is 130 kDa, but the modified the HDAC6 is about 150-160 kDa.				
Notable Publications	Author Pub	med ID Jou	ırnal	Application	
	Jiali Jin 395	67688 Na	ture	WB,IP	
	Pratibha Verma 367	88143 Ce	ll Tissue Res	WB,IF	
Storage	Storage: Store at -20°C. Stable for one year after Storage Buffer: PBS with 0.02% sodium azide and 50°	% glycerol pH 7.3.			
*** 20ul sizes contain 0.1% BSA	Aliquoting is unnecessary for -20 $^{\circ}$ C s	torage			
For technical support and original validation da	ta for this product please contact		This product is	exclusively available under Proteintech	

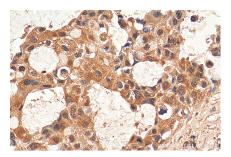
Selected Validation Data



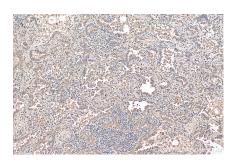
Various lysates were subjected to SDS PAGE followed by western blot with 67250-1-lg (HDAC6 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



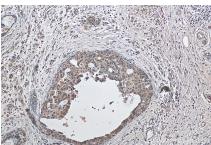
WB result of HDAC6 antibody (67250-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HDAC6 transfected HeLa cells.



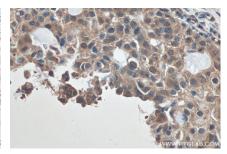
Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 67250-1-1g (HDAC6 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



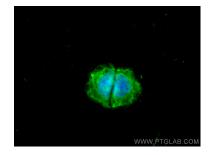
Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 67250-1-1g (HDAC6 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



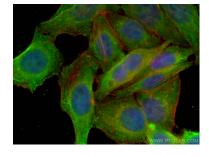
Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 67250-1-1g (HDAC6 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 67250-1-1g (HDAC6 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using HDAC6 antibody (67250-1-1g, Clone: 1C7C3) at dilution of 1:800 and Coralite®488-Conjugated Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HDAC6 antibody (67250-1-1g, Clone: 1C7C3) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).