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## HDAC2 Polyclonal antibody Catalog Number:12922-3-AP Featured Product 8

Featured Product 87 Publications



Basic Information	Catalog Number: 12922-3-AP	GenBank Accession Number BC031055	: Purification Method: Antigen affinity purification
	Size: 150ul, Concentration: 600 ug/ml by Nanodrop; Source: Rabbit Isotype:	GeneID (NCBI): 3066 UNIPROT ID: Q92769 Full Name: histone deacetylase 2	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:2000-1:8000 IF/ICC 1:1000-1:4000
	IgG Immunogen Catalog Number: AG3607	Calculated MW: 458 aa, 52 kDa; 488 aa,55 kD Observed MW: 55-60 kDa	Da
Applications	Tested Applications: WB, IHC, IF/ICC, IP, ELISA Cited Applications: WB, IHC, IF, IP, CoIP, chIP	Positive Controls: WB : HEK-293 cells, human kidney tissue, MCF-7 cells, rat liver tissue, HeLa cells, HepG2 cells, LO2 cells, C6 cells, NIH/3T3 cells, rat kidney tissue	
	Species Specificity:		IEK-293 cells,
	human, mouse, rat	IHC : mouse brain tissue,	
	Cited Species: human, mouse, rat	IF/ICC : HepG2 cells, HeLa cells	
	Note-IHC: suggested antigen ( TE buffer pH 9.0; (*) Alternati		
	retrieval may be performed w buffer pH 6.0		
Background Information	retrieval may be performed w buffer pH 6.0 Histone deacetylases(HDAC) are a cl to the formation of a condensed and of large multiprotein complexes, and regions of core histones (H2A, H2B, H was primarily found in the nucleus. H different proteins, including YY1, a m	ass of enzymes that remove the transcriptionally silenced chro dare responsible for the deace 3 and H4). At least 4 classes of IDAC2 forms transcriptional re ammalian zinc-finger transcriptioned	omatin.Histone deacetylases act via the formatio etylation of lysine residues at the N-terminal f HDAC were identified. As a class I HDAC, HDAC epressor complexes by associating with many iption factor. Thus, it plays an important role in tal events. This antibody is a rabbit polyclonal
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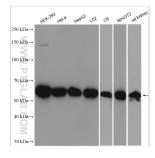
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com

in USA), or 1(312) 455-8498 (outside USA)

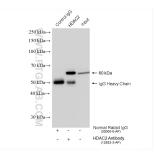
W: ptglab.com

Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



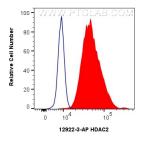
Various lysates were subjected to SDS PAGE followed by western blot with 12922-3-AP (HDAC2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



IP result of anti-HDAC2 (IP:12922-3-AP, 4ug; Detection:12922-3-AP 1:20000) with HEK-293 cells lysate 960 ug.



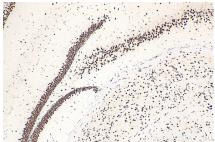
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HDAC2 antibody (12922-3-AP) at dilution of 1:2000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



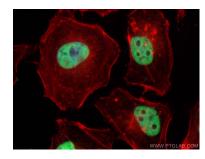
1x10^6 HeLa cells were intracellularly stained with 0.25 ug HDAC2 Polyclonal antibody (12922-3-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 12922-3-AP (HDAC2 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 12922-3-AP (HDAC2 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HDAC2 antibody (12922-3-AP) at dilution of 1:1000 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).