

HDAC6 Polyclonal Antibody

Catalog number: 12834-1-AP

Size: 60 µg/150 µl

Source: Rabbit

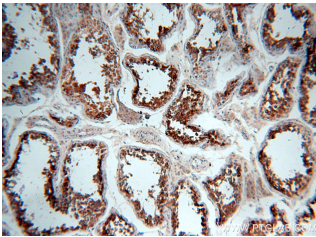
Isotype: IgG

Synonyms:

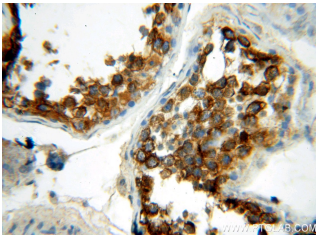
HDAC6; FLJ16239, HD6, HDAC6,

histone deacetylase 6, JM21,

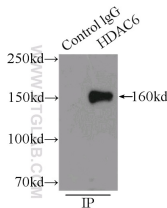
KIAA0901



Immunohistochemical of paraffin-embedded human testis using 12834-1-AP(HDAC6 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human testis using 12834-1-AP(HDAC6 antibody) at dilution of 1:50 (under 40x lens)



IP Result of anti-HDAC6 (IP:12834-1-AP, 5µg; Detection:12834-1-AP 1:1000) with K-562 cells lysate 11000µg.

Background

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 protein between cytoplasm and nucleus. The shuttling process may be a critical regulatory mechanism 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 a rabbit polyclonal antibody raised against residues near the C terminal of human HDAC6.

Applications

Tested applications:	ELISA, WB, IHC, IP
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse, rat
Calculated HDAC6 MW:	1063aa,114 kDa,131 kDa
Observed HDAC6 MW:	160kd
Positive WB detected in	K-562 cells, HeLa cells, HepG2 cells, HT-1080 cells, human liver tissue, MCF7 cells
Positive IP detected in	K-562 cells
Positive IHC detected in	Human testis tissue
Recommended dilution:	WB: 1:500-1:5000 IP: 1:500-1:5000 IHC: 1:20-1:200

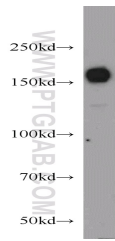
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3572
GenBank accession number:	BC013737
Gene ID (NCBI):	10013
Full name:	Histone deacetylase 6

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



K-562 cells were subjected to SDS PAGE followed by western blot with 12834-1-AP(HDAC6 antibody) at dilution of 1:1000