



Anti-HDAC6 Antibody

Alternative Names: CPBHM, HD6, JM21, PPP1R90, Histone deacetylase 6, Tubulin-lysine deacetylase HDAC6

Catalogue Number: AB19-10114-50ug

Size: 50 µg

Background Information

Histone deacetylase 6 (HDAC6) is a member of the HDAC family of enzymes that remove acetyl groups from lysines of histones thereby acting as gene transcription regulators. HDAC6 is more specifically a member of the class IIB HDAC family and contains two catalytic domains and a C-terminal zinc finger domain that binds free ubiquitin as well as ubiquitinated proteins with high affinity. As a cytoplasmic deacetylase, HDAC6 can deacetylate substrates such as tubulin, heat shock protein 90 (HSP90).

HDAC6 plays an important role in protein degradation, alongside roles in cell morphology, adhesion, migration, and tumor cell invasion/metastasis.

Inhibition of Histone deacetylases (HDACs) has been shown to be neuroprotective in animal models of neurodegenerative diseases and HDAC6 is one possible target, however theoretically HDAC6 should actually contribute to the degradation of protein aggregates seen in neurodegenerative disorders such as Alzheimer's, Parkinson's and Huntington's diseases, So HDAC6 as a target for neurodegenerative disorders remains controversial.

Product Information

Antibody Type:	Polyclonal	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human, Mouse
Immunogen:	Recombinant human HDAC6		
Format:	50 µg in 50 µl PBS with 0.02% sodium azide, 50% glycerol, pH7.3.		
Storage Conditions:	Store at -20°C. Avoid freeze / thaw cycles.		
Applications:	IHC IF IHC 1:50-200. IF 1:50-200.		

Additional Information

Subcellular location:	Cytoplasm Nucleus Perikaryon axon dendrite	MW:	131kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	10013	Uniprot ID:	Q9UBN7