

HDAC6 (YD32307) Rabbit mAb

货号: **AYD12281**

产品信息

反应	Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB FC IP
推荐浓度	
理论分子量	126kDa
实测分子量	
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	
细胞定位	Cytoplasm, cytoskeleton, Nucleus, Perikaryon, Cell projection, dendrite, axon, cilium, microtubule organizing center, centrosome, cilium basal body
纯化	

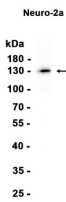
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靶点信息

研究背景	Deacetylates a wide range of non-histone substrates (PubMed:12606581, PubMed:19893491, PubMed:26746851, PubMed:27737934, PubMed:35075301). Plays a central role in microtubule-dependent cell motility by mediating deacetylation of tubulin (PubMed:19893491, PubMed:27737934, PubMed:12606581). Required for cilia disassembly via deacetylation of alpha-tubulin (By similarity). Alpha-tubulin deacetylation results in destabilization of dynamic microtubules (PubMed:12486003). Promotes deacetylation of CTTN, leading to actin polymerization, promotion of autophagosome-lysosome fusion and completion of autophagy (By similarity). Deacetylates SQSTM1 (By similarity). Deacetylates peroxiredoxins PRDX1 and PRDX2, decreasing their reducing activity (By similarity). Deacetylates antiviral protein RIGI in the presence of viral mRNAs which is required for viral RNA detection by RIGI (PubMed:26746851). Sequentially deacetylates and polyubiquitinates DNA mismatch repair protein MSH2 which leads to MSH2 degradation, reducing cellular sensitivity to DNA-damaging agents and decreasing cellular DNA mismatch repair activities (By similarity). Deacetylates DNA mismatch repair protein MLH1 which prevents recruitment of the MutL alpha complex (formed by the MLH1-PMS2 heterodimer) to the MutS alpha complex (formed by the MSH2-MSH6 heterodimer), leading to tolerance of DNA damage (By similarity). Deacetylates RHOT1/MIRO1 which blocks mitochondrial transport and mediates axon growth inhibition (By similarity). Deacetylates transcription factor SP1 which leads to increased expression of ENG, positively regulating angiogenesis (By similarity). Deacetylates KHDRBS1/SAM68 which regulates alternative splicing by inhibiting the inclusion of CD44 alternate exons (By similarity). Deacetylates PRDM16 (PubMed:35075301). Promotes odontoblast differentiation following IPO7-mediated nuclear import and subsequent repression of RUNX2 expression (PubMed:35922041). In addition to its protein deacetylase activity, plays a key role in the degradation of misfolded proteins: when misfolded proteins are too abundant to be degraded by the chaperone refolding system and the ubiquitin-proteasome, mediates the transport of misfolded proteins to a cytoplasmic juxtannuclear structure called aggresome (By similarity). Probably acts as an adapter that recognizes polyubiquitinated misfolded proteins and target them to the aggresome, facilitating their clearance by autophagy (PubMed:22819792)
基因ID	3134
基因名	Hdac6
Swiss	Q9Z2V5
别名	HDAC6 (YD32307)

产品验证



实验步骤

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