

DATASHEET

Histone Deacetylase 6 Mouse Monoclonal Antibody(C3358)

CAT. NO. AMA02970

KEY FEATURES

Target	Histone Deacetylase 6	Source / Host	Mouse
Reactivity	Human, Rat	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.	Storage	at-20°C

BACKGROUND

Deacetylates a wide range of non-histone substrates . Plays a central role in microtubule-dependent cell motility by mediating deacetylation of tubulin . Required for cilia disassembly via deacetylation of alpha-tubulin . Alpha-tubulin deacetylation results in destabilization of dynamic microtubules . Promotes deacetylation of CTTN, leading to actin polymerization, promotion of autophagosome-lysosome fusion and completion of autophagy . Deacetylates SQSTM1 . Deacetylates peroxiredoxins PRDX1 and PRDX2, decreasing their reducing activity . Deacetylates antiviral protein RIGI in the presence of viral mRNAs which is required for viral RNA detection by RIGI .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

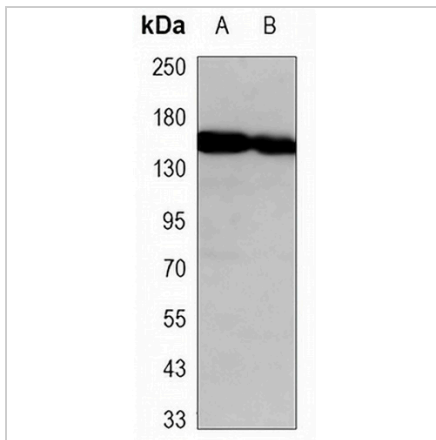
Description	Mouse monoclonal antibody to Histone Deacetylase 6
Specificity	Recognizes endogenous levels of Histone Deacetylase 6 protein.
Antibody Type	Primary antibody
Immunogen	Purified recombinant human HDAC6 protein expressed in E.coli.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 131 kD; Observed: 160 kD
Form/Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Alternative Names	KIAA0901; Histone deacetylase 6; HD6
Gene Symbol	HDAC6
Entrez Gene	10013(Human)
SwissProt	Q9UBN7(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of Histone Deacetylase 6 expression in T47D (A), Jurkat (B) whole cell lysates. (Predicted band size: 131 kD; Observed band size: 160 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.