

**Product Name: HDAC6 (3B2) Mouse Monoclonal Antibody**  
**Catalog #: AMM03492**

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## Summary

<b>Production Name</b>	HDAC6 (3B2) Mouse Monoclonal Antibody
<b>Description</b>	Primary antibody
<b>Host</b>	Mouse
<b>Application</b>	WB
<b>Reactivity</b>	Human,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG2a
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purified

## Immunogen

<b>Gene Name</b>	HDAC6
<b>Alternative Names</b>	HDAC6; KIAA0901; JM21; Histone deacetylase 6; HD6
<b>Gene ID</b>	10013
<b>SwissProt ID</b>	Q9UBN7

## Application

<b>Dilution Ratio</b>	WB: 1/500-1/1000
<b>Molecular Weight</b>	Calculated MW: 131 kDa; Observed MW: 160 kDa

## Background

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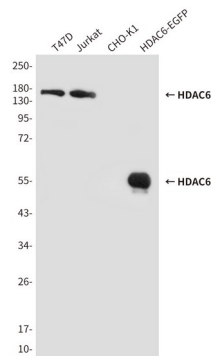
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Involved in the regulation of many cellular processes, including cell migration, immune synapse formation, viral infection, and degradation of misfolded proteins. HDAC6 binds to both poly-ubiquitinated misfolded proteins and dynein motors, facilitating the transport of misfolded proteins to the aggresome. Required for subsequent recruitment of the autophagic machinery and clearance of aggresomes from the cell. Plays a key role in the protection against the deleterious effects of pathological protein aggregation that occurs in various diseases.

## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of HDAC6 in T47D, Jurkat CHO-K1(B) and CHO-K1 transfected by HDAC6fragment EGFP fusion protein lysates using HDAC6 antibody.

## Note

For research use only.