

## Anti-HDAC6 Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PB9628-Fluoro647

### About HDAC6

HDAC6, also called KIAA0901, is a member belongs to class II of the histone deacetylase/acuc/apha family of proteins that is an enzyme that in humans is encoded by the HDAC6 gene. The HDAC6 gene is mapped to chromosome Xp11.23. HDAC6 contains an internal duplication of two catalytic domains which appear to function independently of each other. The protein possesses histone deacetylase activity and represses transcription. HDAC6 functions as a tubulin deacetylase. And it is localized exclusively in the cytoplasm, where it associates with microtubules and localizes with the microtubule motor complex. HDAC6 could bind both polyubiquitinated misfolded proteins and dynein motors, thereby recruiting misfolded protein cargo to dynein motors for transport to aggresomes. Furthermore, expression of HDAC6 was sufficient to rescue degeneration associated with UPS dysfunction in vivo in an autophagy-dependent manner. HDAC6 is a central component of the stress response that regulates SG formation and potentially contributes to control of RNA metabolism and translation.

### Overview

Product Name	Anti-HDAC6 Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q9UBN7

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human HDAC6, different from the related mouse sequence by one amino acid.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm

	Emission Wavelength: 665 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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