

## Anti-Phospho-HDAC6 (S22) Antibody

Catalog Number: P00595

### 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-Phospho-HDAC6 (S22) Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Phospho-HDAC6 (S22) Antibody catalog # P00595. Tested in WB, IHC, ICC, IF applications. This antibody reacts with Human, Mouse.
Application	IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q9UBN7

### Technical Details

Immunogen	A synthesized peptide derived from human HDAC6 around the phosphorylation site of Ser22.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

Western blot, 1:500-2000  
Immunohistochemistry, 1:50-200  
Immunocytochemistry/Immunofluorescence, 1:50-200

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**Anti-Phospho-HDAC6 (S22) Antibody**

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