

Product datasheet

Anti-HDAC6 (phospho S22) antibody ab61058

★★★★★ 6 Abreviews 2 References 1 Image

Overview

Product name	Anti-HDAC6 (phospho S22) antibody
Description	Rabbit polyclonal to HDAC6 (phospho S22)
Host species	Rabbit
Specificity	ab61058 detects endogenous levels of HDAC6 only when phosphorylated at serine 22. (Human: Ser22; Mouse: Ser21).
Tested applications	Suitable for: IHC-P, ELISA
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic phosphopeptide derived from human HDAC6 around the phosphorylation site of serine 22 (PQS ^{PPP}).
Positive control	Human testis tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol, 0.87% Sodium chloride
	Without Mg ²⁺ and Ca ²⁺
Purity	Immunogen affinity purified
Purification notes	ab61058 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab61058** in the following tested applications.

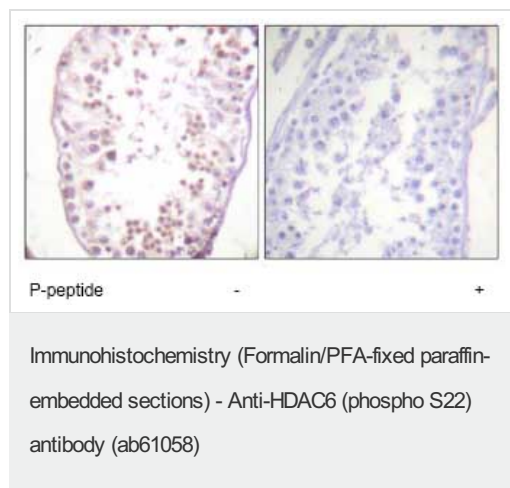
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★☆	1/50 - 1/100.
ELISA		1/5000.

Target

Function	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes (By similarity). Plays a central role in microtubule-dependent cell motility via deacetylation of tubulin.
Sequence similarities	Belongs to the histone deacetylase family. HD type 2 subfamily. Contains 1 UBP-type zinc finger.
Post-translational modifications	Ubiquitinated. Its polyubiquitination however does not lead to its degradation. Sumoylated in vitro.
Cellular localization	Nucleus. Cytoplasm. It is mainly cytoplasmic, where it is associated with microtubules.

Images



Immunohistochemistry analysis of paraffin-embedded human testis tissue using HDAC6 (phospho S22) antibody (ab61058) at 1/50 - 1/100 dilution, in the presence (right panel) and absence (left panel) of phosphopeptide.

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