

Datasheet: AHP2632

BATCH NUMBER 141589

Description:	RABBIT ANTI HISTONE DEACETYLASE 4 (pSer632)
Specificity:	HISTONE DEACETYLASE 4 (pSer632)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	■			1/500 - 1/2000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Based on sequence similarity, is expected to react with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to histone deacetylase 4 (pSer632) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide 50% Glycerol

Immunogen	Phospho specific-peptide corresponding to residues surrounding serine 632 of human histone deacetylase 4
External Database Links	<p>UniProt: P56524 Related reagents</p> <p>Entrez Gene: 9759 HDAC4 Related reagents</p>
Synonyms	KIAA0288
Specificity	<p>Rabbit anti Histone deacetylase 4 (pSer632) antibody recognizes histone deacetylase 4, also known as HDAC4, when phosphorylated at serine 632. Histone deacetylases are chromatin-modifying enzymes that are involved in the regulation of many aspects of cell biology including tissue differentiation, autophagy, apoptosis, migration, mitosis and angiogenesis. Histone deacetylase 4 is a class II histone deacetylase, which shuttles back and forth between nucleus and cytoplasm.</p> <p>Histone deacetylase 4 is phosphorylated at serine 632 by calcium/calmodulin-dependent protein kinase (CaMK) (Wang et al. 2014).</p>
Further Reading	1. Wang, Z. <i>et al.</i> (2014) HDAC4: mechanism of regulation and biological functions. Epigenomics. 6 (1): 139-50.
Storage	<p>Store at -20°C</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10049 available at: https://www.bio-rad-antibodies.com/SDS/AHP2632</p> <p>10049</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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