www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

Anti-Histone H4 (Tyr-72), Phosphospecific Antibody

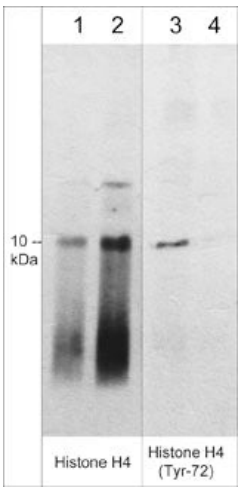
phosphosolutions ANTIBODIES THAT WORK

Product Details

Available Variants	100 µL (SKU:HP5551)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	H4C1
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, WB
Dilution Ranges	WB: 1:1000
Species Reactivity	Chicken, Frog, Human, Mouse, Rat
Immunogen	Phospho-Histone H4 (Tyr-72) synthetic peptide (coupled to carrier) corresponding to amino acids surrounding Tyr-72 in human histone H4. This site is well conserved in rat and mouse histone H4, but the site is not found in other histone family members.
Specificity	The antibody was cross adsorbed to unphosphorylated histone H4 (Tyr-72) peptide before affinity purification using phospho-histone H4 (Tyr-72) peptide. This antibody antibody detects a 10 kDa* protein on SDS-PAGE immunoblots of human PC3 and A431 cells. This reactivity is not observed after alkaline phosphatase dephosphorylation of histone H4.
Molecular Weight	10
Quality Control	Western blots performed on each lot.

Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	P62805 UniProt Summary: Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Tyr-72

Product Images



Western blot image of human PC3 cells untreated (lanes 1 & 3) or treated with alkaline phosphatase to dephosphorylate histone H4 (lanes 2 and 4). The blot was probed with rabbit polyclonals anti-Histone H4 (lanes 1 & 2) and anti-Histone H4 (Tyr-72) phospho-specific antibody (lanes 3 & 4).



Created on 30. October 2026 | All information without guarantee