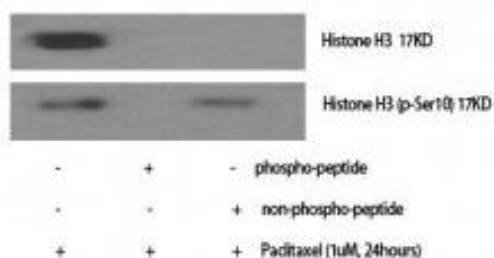


Anti-Phospho-Histone H3 (S10) antibody

Cat # NB-22-2657



Western Blot (WB) analysis of specific cells using Phospho-Histone H3 (S10) Polyclonal Antibody.

Description

Histone H3 is a protein encoded by the HIST3H3 gene which is approximately 15,5 kDa. Histone H3 is localised to the nucleus and chromosome. It is involved in the DNA double-strand break repair and mitotic cell cycle. This protein falls under the histone family protein. Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). Histones play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. Histone H3 is expressed in the testicular cells. STJ90289 was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. This primary antibody specifically binds to endogenous Histone H3 protein which only binds about S10 when S10 is Phosphorylated.

Product Information

Code	NB-22-0289
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Histone H3 around the phosphorylation site of S10.

Gene ID	8350
Gene Symbol	HIST1H3AHIST1H3BHIST1H3CHIST1H3DHIST1H3EHIST1H3FHIST1H3GHIST1H3HHIST1H3IHIST1H3J
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:10000
Specificity	Phospho-Histone H3 (S10) Polyclonal Antibody detects endogenous levels of Histone H3 protein only when phosphorylated at S10
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Note	For research use only.(RUO)
Protein Name	Histone H3.1 Histone H3/a Histone H3/b Histone H3/c Histone H3/d Histone H3/f Histone H3/h Histone H3/i Histone H3/j Histone H3/k Histone H3/l
Molecular Weight	17 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C. Avoid repeated freeze/thaw cycles.
Database Links	HGNC:4766OMIM:137800
Alternative names	Histone H3.1 Histone H3/a Histone H3/b Histone H3/c Histone H3/d Histone H3/f Histone H3/h Histone H3/i Histone H3/j Histone H3/k Histone H3/l

For reference only

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