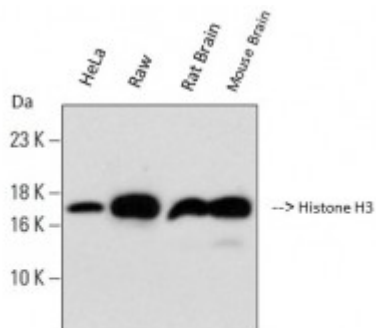


Anti-Histone H3 antibody



Western Blot (WB) analysis of 1)HeLa, 2) Raw, 3)rat brain tissue, 4)mouse brain tissue using Histone H3 Antibody (STJ96940), diluted at 1:5000.

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. STJ96940 was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. This antibody detects endogenous Histone H3 protein.

Model	STJ96940
Host	Mouse
Reactivity	Human, Mouse, Rat, Yeast
Applications	IF, IP, WB
Immunogen	Recombinant Protein
Gene ID	8350
Gene Symbol	HIST1H3A HIST1H3B HIST1H3C HIST1H3D HIST1H3E HIST1H3F HIST1H3G HIST1H3H HIST1H3I HIST1H3J
Dilution range	WB 1:2000-5000IF1:100-500IP 1:200
Specificity	The antibody detects endogenous Histone H3 protein.

Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Clone ID	1G1
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
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage Instruction	Store at -20°C, and avoid repeat 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

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