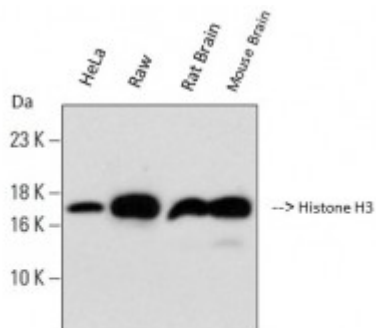


## Anti-Histone H3 antibody



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.

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

<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
<b>Clone ID</b>	1G1
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	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
<b>Clonality</b>	Monoclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG1
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="https://www.ncbi.nlm.nih.gov/condensedcode/HGNC:4766OMIM:137800">HGNC:4766OMIM:137800</a>
<b>Alternative Names</b>	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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**St John's Laboratory Ltd**

**F** +44 (0)207 681 2580

**T** +44 (0)208 223 3081

**W** <http://www.stjohnslabs.com/>

**E** [info@stjohnslabs.com](mailto:info@stjohnslabs.com)