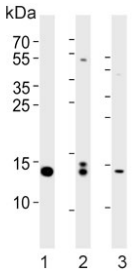
HIST1H2BJ Antibody (F54560)

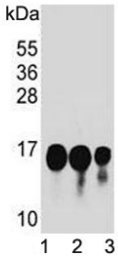
Catalog No.	Formulation	Size
F54560-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54560-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

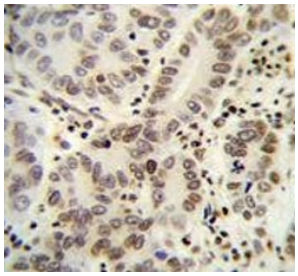
Availability	1-3 business days
Species Reactivity	Human, Zebrafish
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P06899
Localization	Nuclear
Applications	Western Blot : 1:500-1:2000 Flow Cytometry : 1:25 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:25
Limitations	This HIST1H2BJ antibody is available for research use only.



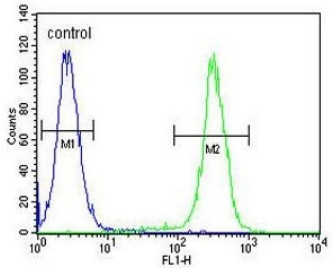
Western blot testing of 1) ZR4, 2) whole zebrafish and 3) zebrafish muscle lysate with HIST1H2BJ antibody. Predicted molecular weight ~14 kDa.



Western blot testing of human 1) CEM, 2) HL60 and 3) NCI-H460 cell lysate with HIST1H2BJ antibody. Predicted molecular weight ~14 kDa.



IHC testing of FFPE human hepatocarcinoma tissue with HIST1H2BJ antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human CEM cells with HIST1H2BJ antibody; Blue=isotype control, Green= HIST1H2BJ antibody.

Description

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a member of the histone H2B family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the histone microcluster on chromosome 6p21.33. [provided by RefSeq].

Application Notes

The stated application concentrations are suggested starting points. Titration of the HIST1H2BJ antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 57-86 from the human protein was used as the immunogen for the HIST1H2BJ antibody.

Storage

Aliquot the HIST1H2BJ antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.