

## Product Datasheet

## Anti-Histone H3.3 Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-228-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N158/28
<b>Size</b>	200 µL
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	IHC
<b>Species Reactivity</b>	Human, Mouse, and Rat
<b>Immunogen</b>	Synthetic peptide amino acids 83-93 (LRFQSAALGAL) of rat Histone H3.3 (accession number P84245)
<b>Molecular Weight</b>	15 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-228-FL490, RRID: AB_2939832

## Details

<b>Target Description</b>	H3 Histone Family Member 3B is encoded by the gene H3.3B. H3.3B is a member of the histone H3 family. H3.3B contains introns and its mRNA is polyadenylated. H3.3B is a variant histone H3, and is a replication-independent histone. H3.3B is deposited at sites of nucleosomal displacement throughout transcribed genes, suggesting that it represents an epigenetic imprint of transcriptionally active chromatin. H3.3B is expressed in 9 organs with the highest expression in the spleen. Diseases associated with H3.3B include Chondroblastoma, Clear Cell Chondrosarcoma, Bone Giant Cell Sarcoma, Malignant Giant Cell Tumor, and brain stem cancer.
<b>Specificity</b>	Does not cross-react with Histone H3.1
<b>Purification Method</b>	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
<b>Quality Control Tests</b>	Each new lot of antibody is quality control tested by IHC on either rat or mouse brain and confirmed to give the expected staining pattern.

**Storage**

Aliquot and store at  $\leq -20^{\circ}\text{C}$  for long term storage. For short term storage, store at  $2-8^{\circ}\text{C}$ . For maximum recovery of product, centrifuge the vial prior to removing the cap.

**Our Guarantee**

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