

Product Datasheet

Anti-Histone H3.3 Antibody FL594 Conjugate



Overview

Catalog #	75-228-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N158/28
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	IHC
Species Reactivity	Human, Mouse, and Rat
Immunogen	Synthetic peptide amino acids 83-93 (LRFQSAALGAL) of rat Histone H3.3 (accession number P84245)
Molecular Weight	15 kDa
Cite this Antibody	Antibodies Inc Cat# 75-228-FL594, RRID: AB_2939834

Details

Target Description	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.
Specificity	Does not cross-react with Histone H3.1
Purification Method	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.
Quality Control Tests	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

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

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