

Product Datasheet

Anti-NSD3 Antibody FL490 Conjugate



Overview

Catalog #	75-322-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N348/82
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	ICC, IHC
Species Reactivity	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 21-251 (N-terminus) of human NSD3 (accession number Q9BZ95) produced recombinantly in E. Coli
Molecular Weight	>160 kDa
Cite this Antibody	Antibodies Inc Cat# 75-322-FL490, RRID: AB_2940120

Details

Target Description	Nuclear Receptor Binding SET Domain Protein 3 is encoded by the gene NSD3. NSD3 is a member of the class V-like SAM-binding methyltransferase superfamily, histone/lysine methyltransferase family, SET2 subfamily. NSD3 methylates histone H3 at lysine residues 4 and 27, which represses gene expression. NSD3 is expressed in the brain, heart, skeletal muscle, liver, and lungs. Diseases associated with NSD3 include Wolf-Hirschhorn Syndrome and Nut Midline Carcinoma.
Specificity	No cross-reactivity reported
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 ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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