

Product Datasheet

Anti-NSD1 Antibody FL650 Conjugate



Overview

Catalog #	75-280-FL650
Conjugate	FL650 Ex: 655 nm, Em: 676 nm
Isotype	IgG2b
Clone Number	N312/10
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
Species Reactivity	Human and Mouse
Immunogen	Fusion protein amino acids 2129-2696 (C-terminus) of human NSD1 (accession number Q96L73) produced recombinantly in E. Coli
Molecular Weight	300 kDa
Cite this Antibody	Antibodies Inc Cat# 75-280-FL650, RRID: AB_2939999

Details

Target Description	Nuclear Receptor Binding SET Domain Protein 1 is encoded by the gene NSD1. NSD1 is a member of the class V-like SAM-binding methyltransferase superfamily. NSD1 is a histone methyltransferase that is capable of both negatively or positively influencing transcription, depending on the cellular context. NSD1 is expressed in the brain, kidney, spleen, skeletal muscle, thymus, and lung. Diseases associated with NSD1 include Sotos Syndrome 1 and Overgrowth Syndrome.
Specificity	Does not cross-react with NSD2 or NSD3
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 on cells overexpressing target protein 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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