

## Product Datasheet

## Anti-NSD3 Antibody FL650 Conjugate



## Overview

|                           |  |
|---------------------------|--|
| <b>Catalog #</b>          | 75-322-FL650   |
| <b>Conjugate</b>          | FL650 Ex: 655 nm, Em: 676 nm   |
| <b>Isotype</b>            | IgG1   |
| <b>Clone Number</b>       | N348/82  |
| <b>Size</b>               | 200 $\mu$ L  |
| <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>       | ICC, IHC   |
| <b>Species Reactivity</b> | Human, Mouse, and Rat  |
| <b>Immunogen</b>          | Fusion protein amino acids 21-251 (N-terminus) of human NSD3 (accession number Q9BZ95) produced recombinantly in E. Coli |
| <b>Molecular Weight</b>   | >160 kDa   |
| <b>Cite this Antibody</b> | Antibodies Inc Cat# 75-322-FL650, RRID: AB_2940123   |

## Details

|                              |  |
|------------------------------|--|
| <b>Target Description</b>    | 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. |
| <b>Specificity</b>           | No cross-reactivity reported   |
| <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.  |
| <b>Storage</b>               | 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.  |

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