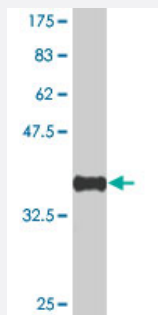


NSD1 monoclonal antibody (M05), clone 1C12

Catalog # H00064324-M05

Size 100 ug

Applications



Western Blot detection against Immunogen (37.62 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant NSD1.
Immunogen	NSD1 (NP_071900, 2 a.a. ~ 109 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	DQTCELPRRNCLLPFSNPVNLDAPEDKDSPPFGNGQSNFSEPLNGCTMQLSTVSGTSQNAYGQD SPSCYIPLRRLQDLASMINVEYLNGSADGSESFQDPEKSDSRAQT
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (42)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.62 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — NSD1

Entrez GeneID [64324](#)

GeneBank Accession# [NM_022455](#)

Protein Accession# [NP_071900](#)

Gene Name NSD1

Gene Alias ARA267, DKFZp666C163, FLJ10684, FLJ22263, FLJ44628, KMT3B, SOTOS, STO

Gene Description nuclear receptor binding SET domain protein 1

Omim ID [117550 130650 277590 601626 606681](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a protein containing a SET domain, 2 LXXLL motifs, 3 nuclear translocation signals (NLSs), 4 plant homeodomain (PHD) finger regions, and a proline-rich region. The encoded protein enhances androgen receptor (AR) transactivation, and this enhancement can be increased further in the presence of other androgen receptor associated coregulators. This protein may act as a nucleus-localized, basic transcriptional factor and also as a bifunctional transcriptional regulator. Mutations of this gene have been associated with Sotos syndrome and Weaver syndrome. One version of childhood acute myeloid leukemia is the result of a cryptic translocation with the breakpoints occurring within nuclear receptor-binding Su-var, enhancer of zeste, and trithorax domain in protein 1 on chromosome 5 and nucleoporin, 98-kd on chromosome 11. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]

Other Designations androgen receptor-associated coregulator 267

Pathway

- [Lysine degradation](#)

Disease

- [Abnormalities](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Chromosome Breakage](#)
- [Chromosome Deletion](#)
- [Craniofacial Abnormalities](#)
- [Developmental Disabilities](#)
- [Endocrine System Diseases](#)
- [Facies](#)
- [Gigantism](#)
- [Growth Disorders](#)
- [Mental Disorders](#)
- [Mental Retardation](#)
- [Motor Skills](#)
- [Neuropsychological Tests](#)
- [Syndrome](#)