

## **NSDHL Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a partial recombinant NSDHL.

Catalog # AT3118a

### **Specification**

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#### **NSDHL Antibody (monoclonal) (M01) - Product Information**

Application	WB, E
Primary Accession	<a href="#">O15738</a>
Other Accession	<a href="#">NM_015922</a>
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	41900

#### **NSDHL Antibody (monoclonal) (M01) - Additional Information**

**Gene ID** 50814

##### **Other Names**

Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating, Protein H105e3, NSDHL, H105E3

##### **Target/Specificity**

NSDHL (NP\_057006, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

##### **Dilution**

WB~~1:500~1000

##### **Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

##### **Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

##### **Precautions**

NSDHL Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

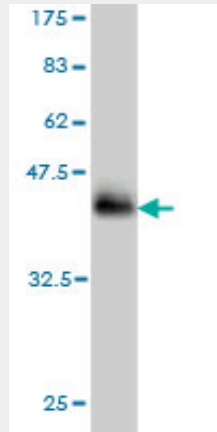
#### **NSDHL Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

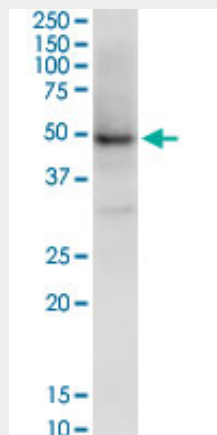
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

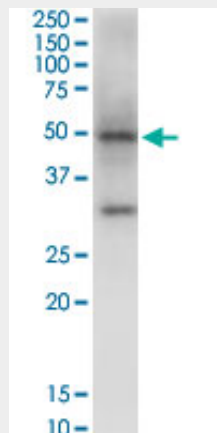
### NSDHL Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .

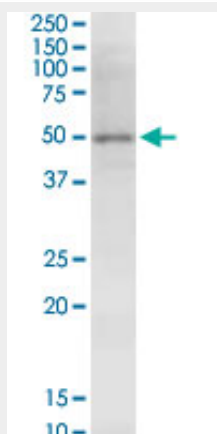


NSDHL monoclonal antibody (M01), clone 6E3. Western Blot analysis of NSDHL expression in PC-12.

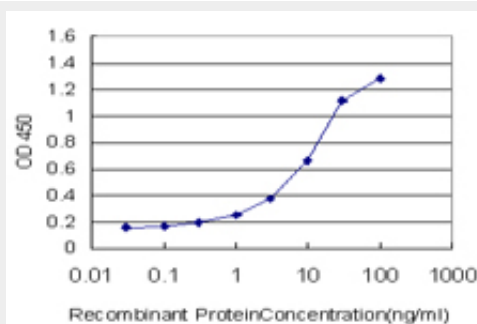


NSDHL monoclonal antibody (M01), clone 6E3. Western Blot analysis of NSDHL expression in Raw

264.7.



NSDHL monoclonal antibody (M01), clone 6E3. Western Blot analysis of NSDHL expression in A-431.



Detection limit for recombinant GST tagged NSDHL is approximately 0.1ng/ml as a capture antibody.

### NSDHL Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is localized in the endoplasmic reticulum and is involved in cholesterol biosynthesis. Mutations in this gene are associated with CHILD syndrome, which is a X-linked dominant disorder of lipid metabolism with disturbed cholesterol biosynthesis, and typically lethal in males. Alternatively spliced transcript variants with differing 5' UTR have been found for this gene.

### NSDHL Antibody (monoclonal) (M01) - References

Genetic variation in 3-hydroxy-3-methylglutaryl CoA reductase modifies the chemopreventive activity of statins for colorectal cancer. Lipkin SM, et al. *Cancer Prev Res (Phila)*, 2010 May. PMID 20403997. Significant contributions of the extraembryonic membranes and maternal genotype to the placental pathology in heterozygous Nsdhl deficient female embryos. Cunningham D, et al. *Hum Mol Genet*, 2010 Jan 15. PMID 19880419. The SDR (short-chain dehydrogenase/reductase and related enzymes) nomenclature initiative. Persson B, et al. *Chem Biol Interact*, 2009 Mar 16. PMID 19027726. Multiple genetic variants along candidate pathways influence plasma high-density lipoprotein cholesterol concentrations. Lu Y, et al. *J Lipid Res*, 2008 Dec. PMID 18660489. Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. *Mol Cell Proteomics*, 2008 Mar. PMID 18029348.