10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NSDHL Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant NSDHL.
Catalog # AT3118a

Specification

NSDHL Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	Q15738
Other Accession	NM_015922
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
E~~N/A

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

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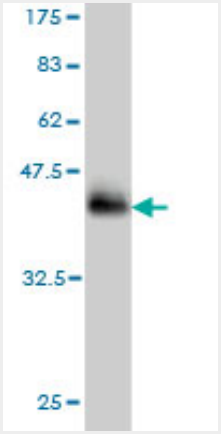
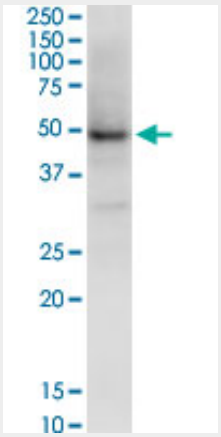
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

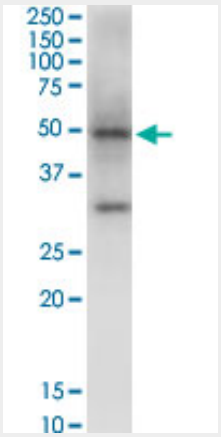
NSDHL Antibody (monoclonal) (M01) - Images



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.



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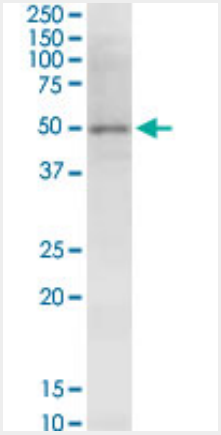
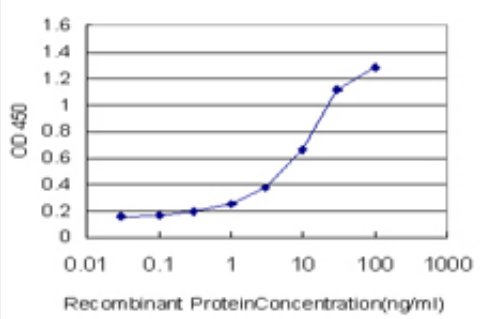
NSDHL monoclonal antibody (M01), clone 6E3. Western Blot analysis of NSDHL expression in Raw 264.7.



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.