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KD-Validated Anti-NSDHL Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1609

Specification

KD-Validated Anti-NSDHL Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC, ICC**
Primary Accession	Q15738
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 42 kDa , observed , 38 kDa KDa**
Gene Name	**NSDHL**
Aliases	**NAD(P) Dependent Steroid Dehydrogenase-Like; SDR31E1; XAP104; H105e3; Sterol-4-Alpha-Carboxylate 3-Dehydrogenase, Decarboxylating; Short Chain Dehydrogenase/Reductase Family 31E, Member 1; Protein H105e3; EC 1.1.1.170; NAD(P) Dependent Steroid Dehydrogenase-Like Protein Transcript; Epididymis Secretory Sperm Binding Protein; H105E3**
Immunogen	**A synthesized peptide derived from human NSDHL**

KD-Validated Anti-NSDHL Rabbit Monoclonal Antibody - Additional Information

Gene ID	**50814**

Other Names
Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating, 1.1.1.170, Protein H105e3, NSDHL, H105E3

KD-Validated Anti-NSDHL Rabbit Monoclonal Antibody - Protein Information

Name NSDHL

Synonyms H105E3

Function
Catalyzes the NAD(P)(+)-dependent oxidative decarboxylation of the C4 methyl groups of 4-alpha-carboxysterols in post-squalene cholesterol biosynthesis (By similarity). Also plays a role in the regulation of the endocytic trafficking of EGFR (By similarity).

Cellular Location
Endoplasmic reticulum membrane; Single-pass membrane protein. Lipid droplet {ECO:0000250|UniProtKB:Q9R1J0} Note=Trafficking through the Golgi is necessary for ER membrane localization. {ECO:0000250|UniProtKB:Q9R1J0}

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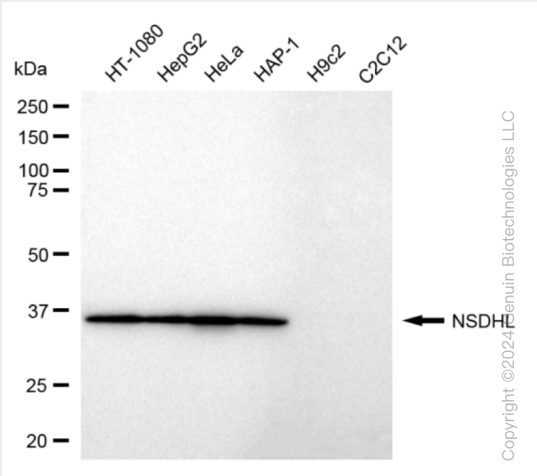
Tissue Location
Brain, heart, liver, lung, kidney, skin and placenta

KD-Validated Anti-NSDHL Rabbit Monoclonal Antibody - Protocols

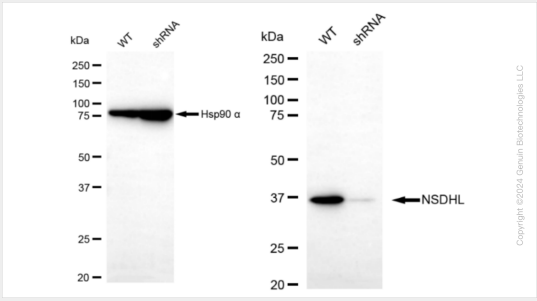
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-NSDHL Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-NSDHL antibody (Cat#AGI1609). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-NSDHL antibody (Cat#AGI1609, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-NSDHL antibody (Cat#AGI1609). NSDHL expression in wild type (WT) and NSDHL shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-NSDHL antibody (Cat#AGI1609, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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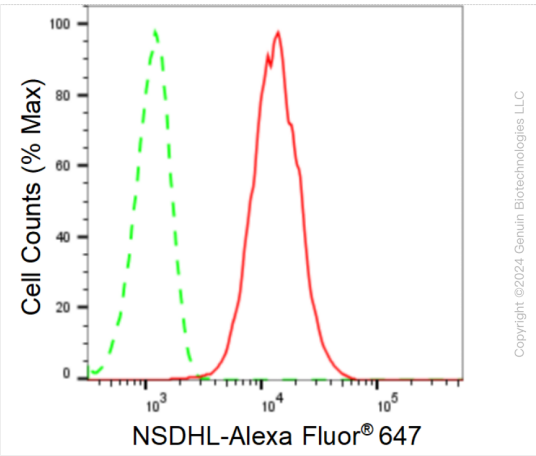
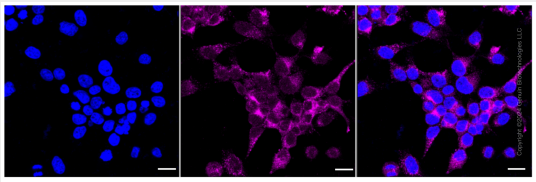


Flow cytometric analysis of NSDHL expression in HeLa cells using NSDHL antibody (Cat#AGI1609, 1:2,000). Green, isotype control; red, NSDHL.



Immunocytochemical staining of HeLa cells with anti-NSDHL antibody (Cat#AGI1609, 1:1,000). Nuclei were stained blue with DAPI; NSDHL was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.