

# Anti-NSDHL Rabbit Monoclonal Antibody

Catalog # ABO16465

## Product Information

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|--------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC                                                                                                 |
| <b>Primary Accession</b> | <a href="#">Q15738</a>                                                                                           |
| <b>Host</b>              | Rabbit                                                                                                           |
| <b>Isotype</b>           | IgG                                                                                                              |
| <b>Reactivity</b>        | Human                                                                                                            |
| <b>Clonality</b>         | Monoclonal                                                                                                       |
| <b>Format</b>            | Liquid                                                                                                           |
| <b>Description</b>       | Anti-NSDHL Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human. |

## Additional Information

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 50814                                                                                                                                      |
| <b>Other Names</b>         | Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating, 1.1.1.170, Protein H105e3, NSDHL, H105E3                                      |
| <b>Calculated MW</b>       | 41900                                                                                                                                      |
| <b>Application Details</b> | WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200                                                                                     |
| <b>Source</b>              | Eukaryota                                                                                                                                  |
| <b>Contents</b>            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                        |
| <b>Clone Names</b>         | Clone: 30N01                                                                                                                               |
| <b>Immunogen</b>           | A synthesized peptide derived from human NSDHL                                                                                             |
| <b>Purification</b>        | Affinity-chromatography                                                                                                                    |
| <b>Storage</b>             | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |

## Protein Information

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|-----------------|-----------------------------------------------------------------------|
| <b>Name</b>     | NSDHL                                                                 |
| <b>Synonyms</b> | H105E3                                                                |
| <b>Function</b> | 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**

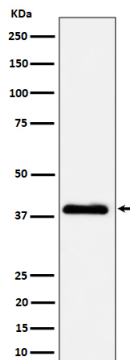
Endoplasmic reticulum membrane; Single-pass membrane protein. Lipid droplet {ECO:0000250|UniProtKB:Q9R1J0} Note=Trafficking through the Golgi is necessary for ER membrane localization. {ECO:0000250|UniProtKB:Q9R1J0}

**Tissue Location**

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

## Images

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Western blot analysis of NSDHL expression in A431 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.