

For Research Use Only

# NSDHL Polyclonal antibody

Catalog Number: 15111-1-AP

Featured Product

13 Publications



## Basic Information

### Catalog Number:

15111-1-AP

### Size:

393 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG7097

### GenBank Accession Number:

BC000245

### GeneID (NCBI):

50814

### UNIPROT ID:

Q15738

### Full Name:

NAD(P) dependent steroid dehydrogenase-like

### Calculated MW:

42 kDa

### Observed MW:

42 kDa, 40 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3200

IHC 1:20-1:200

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB** : HeLa cells, human heart tissue, mouse brain tissue

**IHC** : human skin cancer tissue, human cervical cancer tissue, human colon tissue, human colon cancer tissue, human lung tissue, human lung cancer tissue, human ovary tissue, human ovary tumor tissue, human stomach tissue, human stomach cancer tissue

**IF/ICC** : HeLa cells,

## Background Information

NSDHL(Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating) encodes a sterol dehydrogenase or decarboxylase involved in the sequential removal of two C-4 methyl groups in post-squalene cholesterol biosynthesis. Mutations in this gene are associated with human CHILD syndrome (congenital hemidysplasia with ichthyosiform nevus and limb defects), an X-linked, male lethal disorder, as well as the mouse mutations bare patches and striated.(PMID: 14506130).

## Notable Publications

Author	Pubmed ID	Journal	Application
Linara Gabitova	26344763	Cell Rep	WB, IHC
Weibiao Kang	36381317	Am J Cancer Res	WB
Madeleine Dorsch	34818551	Cell Rep	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

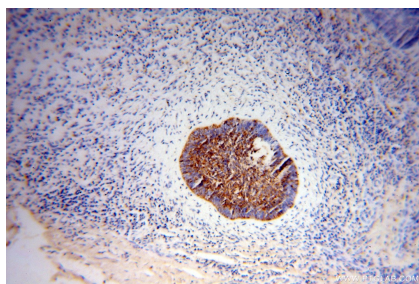
W: [ptgcn.com](http://ptgcn.com)

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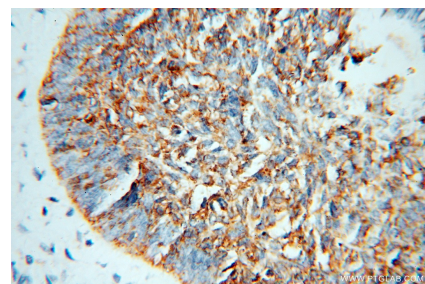
## Selected Validation Data



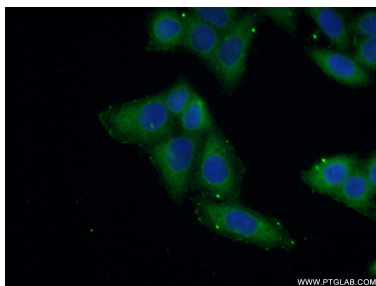
HeLa cells were subjected to SDS PAGE followed by western blot with 15111-1-AP (NSDHL antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skin cancer using 15111-1-AP (NSDHL antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skin cancer using 15111-1-AP (NSDHL antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 15111-1-AP (NSDHL antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).