

**LIPN/Lipase N Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57024****Specification****LIPN/Lipase N Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	<a href="#">Q5VXI9</a>
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LIPN/Lipase N
Epitope Specificity	101-200/398
Isotype	IgG
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted.
SIMILARITY	Belongs to the AB hydrolase superfamily. Lipase family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions**

The gene encodes a lipase that is highly expressed in granular keratinocytes in the epidermis, and plays a role in the differentiation of keratinocytes. Mutations in this gene are associated with lamellar ichthyosis type 4. [provided by RefSeq, Dec 2011]

**LIPN/Lipase N Polyclonal Antibody - Additional Information**

**Gene ID** 643418

**Other Names**

Lipase member N, 3.1.1.-, Lipase-like abhydrolase domain-containing protein 4, LIPN, LIPL4

**Target/Specificity**

Exclusively expressed in the epidermis within the granular keratinocytes.

**Dilution**

<span class = "dilution\_IHC-P">IHC-P~~N/A</span><br \><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br \><span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_ICC">ICC~~N/A</span>

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## **LIPN/Lipase N Polyclonal Antibody - Protein Information**

**Name** LIPN

**Synonyms** LIPL4

### **Function**

Plays a highly specific role in the last step of keratinocyte differentiation. Contains two distinct domains: the alpha/beta hydrolase fold and the abhydrolase-associated lipase region, also features the consensus sequence of the active site of a genuine lipase. May have an essential function in lipid metabolism of the most differentiated epidermal layers.

### **Cellular Location**

Secreted.

### **Tissue Location**

Highly expressed in the epidermis in the granular keratinocytes. Also detected in other tissues, although at much lower levels, including lung and spleen.

## **LIPN/Lipase N Polyclonal 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 Cytometry](#)
- [Cell Culture](#)

## **LIPN/Lipase N Polyclonal Antibody - Images**