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LIPN/Lipase N Rabbit pAb

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Catalog # AP57024

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q5VXI9
Predicted	Human, Mouse, Rat, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45534
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LIPN/Lipase N
Epitope Specificity	101-200/398
Isotype	IgG
Purity	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]

Additional Information

Gene ID	643418
Other Names	Lipase member N, 3.1.1.13, 3.1.1.3, Lipase-like abhydrolase domain-containing protein 4, LIPN, LIPL4
Target/Specificity	Exclusively expressed in the epidermis within the granular keratinocytes.
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
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.

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.

Background

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