



Rabbit Anti-lipocalin 1/LCN1 antibody

SL11286R

Product Name:	lipocalin 1/LCN1
Chinese Name:	脂质运载蛋白1抗体
Alias:	LCN1; LCN1_HUMAN; Lipocalin 1 (protein migrating faster than albumin, tear prealbumin); Lipocalin 1 like 2; Lipocalin-1; lipocalin 1; PMFA; Tear lipocalin; Tear prealbumin; Tlc; TP antibody VEG protein; VEGP; Von Ebner gland protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	17kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human lipocalin 1:101-176/176
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	Lipocalin-1 is a secretory protein that is highly expressed in fluids covering epithelial surfaces such as tears and respiratory secretions. This major lipid-binding protein in tears is also called tear lipocalin (TL) and von Ebner's gland protein (VEG), as it is also a major secretion of these lingual salivary glands. In addition to lacrimal glands and lingual glands, Lipocalin-1 is secreted by nasal mucosal glands, secretory glands of the

tracheobronchial tract, sweat glands, mammary glands, adrenal gland, prostate, thymus, testis and corticotrophs of the pituitary gland. Specifically, Lipocalin-1 functions to stabilize the lipid film of human tear fluid by removing harmful lipids from the human corneal surface and delivering them to the aqueous phase of tears. Lipocalin-1 may also function as a transporter of hydrophobic molecules such as bitter substances on the tongue.

Function:

Could play a role in taste reception. Could be necessary for the concentration and delivery of sapid molecules in the gustatory system. Can bind various ligands, with chemical structures ranging from lipids and retinoids to the macrocyclic antibiotic rifampicin and even to microbial siderophores. Exhibits an extremely wide ligand pocket.

Subunit:

Homodimer. Binds to LMBR1L which may mediate its endocytosis.

Subcellular Location:

Secreted.

Tissue Specificity:

Mainly expressed in lachrymal and salivary glands. Also expressed in the prostate.

Similarity:

Belongs to the calycin superfamily. Lipocalin family.

SWISS:

P31025

Gene ID:

3933

Database links:

[Entrez Gene: 3933](#) Human

[Omim: 151675](#) Human

[SwissProt: P31025](#) Human

[Unigene: 530311](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

