

Anti-LCN1 Antibody

Catalog # ABO10974

Product Information

Application	WB, IHC-P
Primary Accession	P31025
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Lipocalin-1(LCN1) detection. Tested with WB, IHC-P in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	3933
Other Names	Lipocalin-1, Tear lipocalin, Tlc, Tear prealbumin, TP, Von Ebner gland protein, VEG protein, LCN1, VEGP
Calculated MW	19250
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, By Heat Western blot, 0.1-0.5 μ g/ml, Human
Subcellular Localization	Secreted.
Tissue Specificity	Mainly expressed in lachrymal and salivary glands. Also expressed in the prostate.
Source	Eukaryota
Protein Name	Lipocalin-1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human LCN1(110-124aa HVKDHYIFYCEGELH).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
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Protein Information

Name	LCN1
Synonyms	VEGP
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.
Cellular Location	Secreted.
Tissue Location	Mainly expressed in lachrymal and salivary glands. Also expressed in the prostate

Background

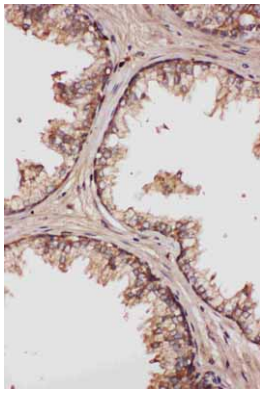
Lipocalin-1 (LCN1), also known as PREALBUMIN, TEAR or VEGP, is a protein that in humans is encoded by the LCN1 gene. Lipocalin-1 is a member of the lipocalin family of small secretory proteins, which is mapped on 9q34.3. Lipocalin-1 is the primary lipid binding protein in tears and is overproduced in response to multiple stimuli including infection and stress. It may be a marker for chromosome aneuploidy as well as an autoantigen in Sjogren's syndrome. LCN1 inhibits the cysteine-protease papain in vitro, similar to cystatins. And LCN1 plays a role in the nonimmunologic defense and in the control of inflammatory processes in oral and ocular tissues. The investigations presented the first clear evidence that LCN1 is induced in infection or inflammation and supported the idea that this lipocalin functions as a physiologic protection factor of epithelia in vivo.

Images



Anti-LCN1 antibody, ABO10974, Western blotting
 All lanes:
 Anti LCN1 (ABO10974) at 0.5ug/ml
 Lane 1: JURKAT Whole Cell Lysate at 40ug
 Lane 2: COLO320 Whole Cell Lysate at 40ug
 Lane 3: SCG Whole Cell Lysate at 40ug
 Lane 4: HELA Whole Cell Lysate at 40ug
 Predicted bind size: 19KD
 Observed bind size: 19KD

Anti-LCN1 antibody, ABO10974, IHC(P)
 IHC(P): Human Prostatic Cancer Tissue



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