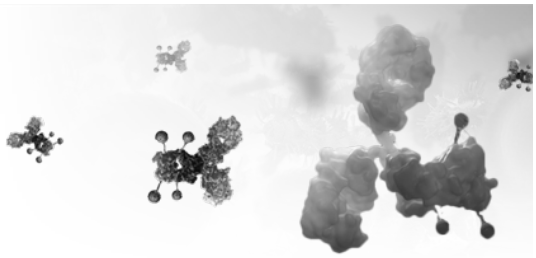

Mouse Anti-Human LCN1 monoclonal antibody, clone NN17 (CABT-ZB777)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human LCN1
Target	LCN1
Immunogen	Recombinant Human Lipocalin 1/LCN1 Protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	NN17
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB777 - CABT-ZB1083 This antibody will detect LCN1 in antibody pair set. [ABPR-ZB357]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human Lipocalin 1 / LCN1. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid
Concentration	Lot specific

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Size	50 µL, 100 µL, 200 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Lipocalin-1, also known as Von Ebner gland protein, VEG protein, Tear Prealbumin, VEGP, Tear lipocalin, and LCN1 is a secreted protein that belongs to the calycin superfamily and Lipocalin family. Human Lipocalin-1/VEGP was originally described as a major protein of human tear fluid, which was thought to be tear specific. Lipocalin-1/VEGP is identical to lingual von Ebner's gland protein and is also produced in the prostate, nasal mucosa, and tracheal mucosa. Homologous proteins have been found in the rat, pig, and probably dog and horse. Lipocalin-1/VEGP is an unusual lipocalin member, because of its high promiscuity for relative insoluble lipids and binding characteristics that differ from other members. Lipocalin-1/VEGP acts as the principal lipid-binding protein in tear fluid, a more general physiological function has to be proposed due to its wide distribution and properties. Lipocalin-1/VEGP would be ideally suited for scavenging of lipophilic, potentially harmful substances and thus might act as a general protection factor of epithelia. Lipocalin-1/LCN1 could play a role in taste reception. It could be necessary for the concentration and delivery of sapid molecules in the gustatory system. Lipocalin-1/LCN1 can bind various ligands, with chemical structures ranging from lipids and retinoids to the macrocyclic antibiotic rifampicin and even to microbial siderophores. It exhibits an extremely wide ligand pocket.
Keywords	LCN1; lipocalin 1; lipocalin 1 (protein migrating faster than albumin, tear prealbumin); lipocalin 1 (tear prealbumin)

GENE INFORMATION

Synonyms	LCN1; lipocalin 1; lipocalin 1 (protein migrating faster than albumin, tear prealbumin); lipocalin 1 (tear prealbumin); lipocalin-1; lipocalin 1 like 2; MGC71975; PMFA; tear lipocalin; tear prealbumin
Entrez Gene ID	3933
UniProt ID	P31025

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