

LCN1 Ab

Cat.#: BF0542
 Size: 50ul,100ul,200ul

Concn.: 1mg/ml
 Source: Mouse

Mol.Wt.: 19.2kDa
 Clonality: Monoclonal

Application:	ELISA 1/10000, WB 1/500 - 1/2000, IHC 1/200 - 1/1000, ICC 1/200 - 1/1000
Reactivity:	Human
Purification:	Affinity-chromatography.
Specificity:	LCN1 Ab detects endogenous levels of total LCN1.
Immunogen:	Purified recombinant fragment of human LCN1 expressed in E. Coli.
Uniprot:	P31025
Description:	LCN1: lipocalin 1 (tear prealbumin), also known as TP, PMFA, VEGP. Entrez Protein: NP_002288. The protein belongs to the lipocalin family. Lipocalins are a group of extracellular proteins that are able to bind lipophiles by enclosure within their structures to minimize solvent contact. This protein may bind hydrophobic ligands and inhibit cysteine proteinases. It may also play a role in taste reception and could be necessary for the concentration and delivery of sapid molecules in the gustatory system.
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.
Storage Condition and Buffer:	Mouse IgG1 in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.

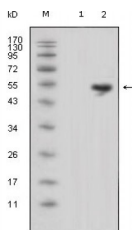


Figure 1: Western blot analysis using LCN1 mouse mAb against HEK293 (1) and LCN1-hlgGfC transfected HEK293 cell lysate (2).

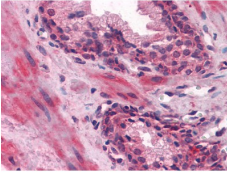


Figure 2: Immunohistochemical analysis of paraffin-embedded human Prostate tissues using LCN1 mouse mAb

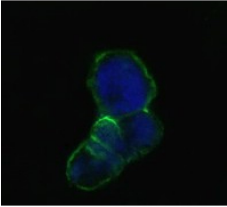


Figure 3: Confocal immunofluorescence analysis of methanol-fixed HEK293 cells transfected with LCN1-hlgGfc using LCN1 mouse mAb (green), showing membrane localization. Blue: DRAQ5 fluorescent DNA dye.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

For Research Use Only. Not for use in diagnostic and therapeutic procedures. Not for resale without express authorization.