

## LCN1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant LCN1.

Catalog # AT2680a

### Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P31025</a>
<b>Other Accession</b>	<a href="#">NM_002297</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	1B11
<b>Calculated MW</b>	19250

### Additional Information

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<b>Gene ID</b>	3933
<b>Other Names</b>	Lipocalin-1, Tear lipocalin, Tlc, Tear prealbumin, TP, Von Ebner gland protein, VEG protein, LCN1, VEGP
<b>Target/Specificity</b>	LCN1 (NP_002288, 24 a.a. ~ 120 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	LCN1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

### Background

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The protein encoded by this gene 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.

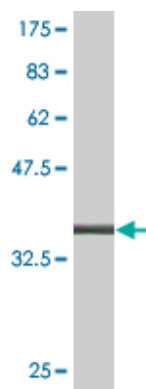
### References

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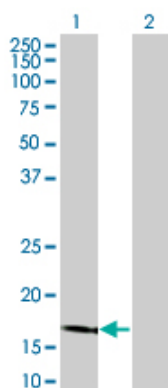
A new crystal form of human tear lipocalin reveals high flexibility in the loop region and induced fit in the ligand cavity. Breustedt DA, et al. Acta Crystallogr D Biol Crystallogr, 2009 Oct. PMID 19770509. Intracavitary

ligand distribution in tear lipocalin by site-directed tryptophan fluorescence. Gasymov OK, et al. Biochemistry, 2009 Aug 4. PMID 19586017. Tear lipocalin is the major endonuclease in tears. Yusifov TN, et al. Mol Vis, 2008 Jan 29. PMID 18334931. Evidence for internal and external binding sites on human tear lipocalin. Gasymov OK, et al. Arch Biochem Biophys, 2007 Dec 1. PMID 17945179. Oligomeric state of lipocalin-1 (LCN1) by multiangle laser light scattering and fluorescence anisotropy decay. Gasymov OK, et al. Biochim Biophys Acta, 2007 Oct. PMID 17869594.

## Images



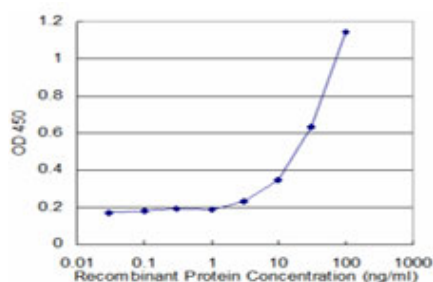
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.41 kDa) .



Western Blot analysis of LCN1 expression in transfected 293T cell line by LCN1 monoclonal antibody (M02), clone 1B11.

Lane 1: LCN1 transfected lysate (19.25 kDa).

Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged LCN1 is approximately 3 ng/ml as a capture antibody.

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