

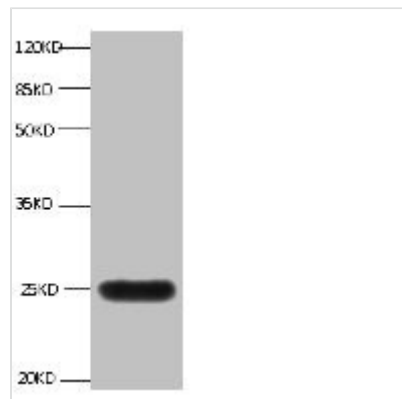


# LCN2 Monoclonal Antibody

<b>Product Code</b>	CSB-MA068302A0m
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P80188
<b>Immunogen</b>	Recombinant Human Neutrophil gelatinase-associated lipocalin protein
<b>Raised In</b>	mouse
<b>Species Reactivity</b>	Human,Mouse
<b>Specificity</b>	CSB-MA068302A0m is specific for Lipocalin 2, native and denatured forms
<b>Tested Applications</b>	ELISA,WB,IHC;Recommended dilution:WB:1:500-1:5000,IHC:1:50-1:500
<b>Relevance</b>	Iron-trafficking protein involved in multiple processes such as apoptosis, innate immunity and renal development. Binds iron through association with 2,5-dihydroxybenzoic acid (2,5-DHBA), a siderophore that shares structural similarities with bacterial enterobactin, and delivers or removes iron from the cell, depending on the context. Iron-bound form (holo-24p3) is internalized following binding to the SLC22A17 (24p3R) receptor, leading to release of iron and subsequent increase of intracellular iron concentration. In contrast, association of the iron-free form (apo-24p3) with the SLC22A17 (24p3R) receptor is followed by association with an intracellular siderophore, iron chelation and iron transfer to the extracellular medium, thereby reducing intracellular iron concentration. Involved in apoptosis due to interleukin-3 (IL3) deprivation: iron-loaded form increases intracellular iron concentration without promoting apoptosis, while iron-free form decreases intracellular iron levels, inducing expression of the proapoptotic protein BCL2L1/BIM, resulting in apoptosis. Involved in innate immunity, possibly by sequestering iron, leading to limit bacterial growth.
<b>Form</b>	liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Preservative: 0.03% Proclin 300Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
<b>Purification Method</b>	>95%,Protein G purified
<b>Isotype</b>	IgG2b
<b>Clonality</b>	monoclonal
<b>Alias</b>	25 kDa alpha-2-microglobulin-related subunit of MMP-9; Lipocalin-2; Oncogene 24p3; p25; LCN2; HNL; NGAL
<b>Product Type</b>	Monoclonal Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Gene Names</b>	LCN2
<b>Clone No.</b>	1A1B2



## Image

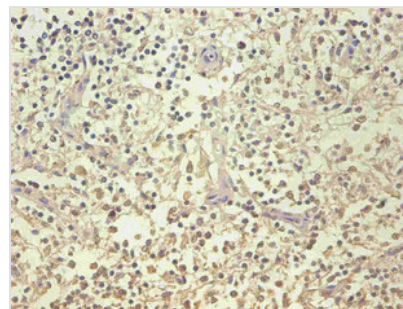


All lanes: Mouse anti-human Neutrophil gelatinase-associated lipocalin monoclonal antibody at 1 $\mu$ g/ml

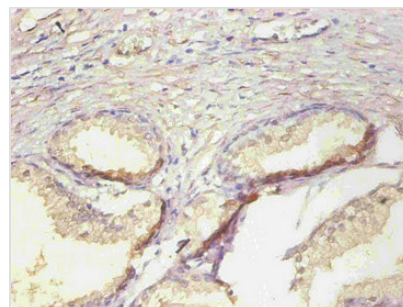
Lane 1: NGAL transfected 293 cell lysate

Predicted band size : 22 kDa

Observed band size : 25 kDa



Immunohistochemical of paraffin-embedded human spleen organization using CSB-MA068302A0m at dilution of 1:200



Immunohistochemical of paraffin-embedded human prostate tissue using CSB-MA068302A0m at dilution of 1:200