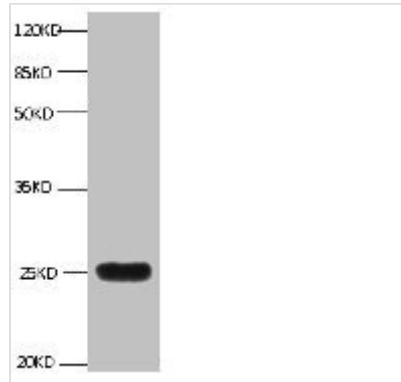


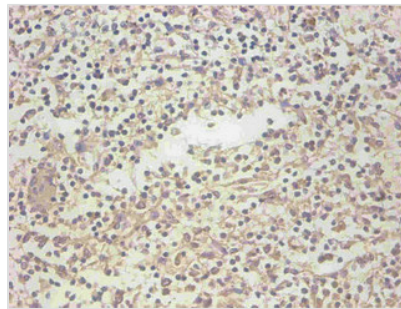


LCN2 Monoclonal Antibody

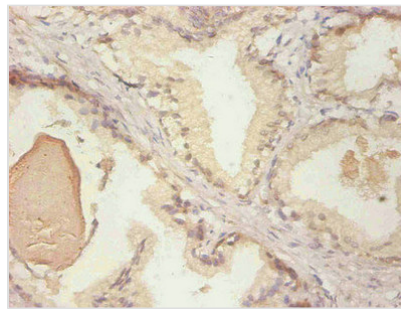
Product Code	CSB-MA068341A0m
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Immunogen	Recombinant Human Neutrophil gelatinase-associated lipocalin protein
Raised In	Mouse
Species Reactivity	Human
Specificity	CSB-MA068341A0m is specific for Lipocalin 2, native and denatured forms
Tested Applications	ELISA, WB, IHC; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:500
Relevance	<p>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 BCL2L11/BIM, resulting in apoptosis. Involved in innate immunity, possibly by sequestering iron, leading to limit bacterial growth.</p>
Form	liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%,Protein G purified
Isotype	IgG2b
Clonality	monoclonal
Alias	NGAL,25 kDa alpha-2-microglobulin-related subunit of MMP-9??Lipocalin-2
Product Type	Monoclonal Antibody
Accession NO.	3B1C10
Image	



All lanes: Mouse anti-human Neutrophil gelatinase-associated lipocalin monoclonal antibody at 1 μ 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-MA068341A0m at dilution of 1:200



Immunohistochemical of paraffin-embedded human prostate tissue using CSB-MA068341A0m at dilution of 1:200