

Rabbit anti-Mouse Lipocalin-2/LCN2 Polyclonal Antibody | anti-LCN2 antibody

Anti-Lipocalin-2/LCN2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257073	Rabbit	Mouse	Immunohistochemistry, ELISA

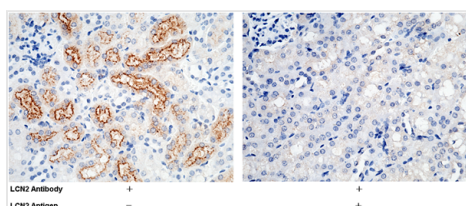
PRODUCT SYNONYMS

Lipocalin-2/LCN2; Polyclonal Antibody; Anti-Lipocalin-2/LCN2 Antibody; Rabbit Polyclonal; LCN2/NGAL Antibody; Rabbit PAb; Antigen Affinity Purified; lipocalin 2; Anti-24p3 Antibody; Anti-AW212229 Antibody; Anti-Sip24 Antibody; anti-LCN2 antibody

PRODUCT SPECIFICATIONS

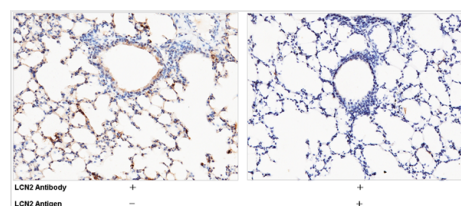
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse LCN2/NGAL
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-LCN2 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Mouse LCN2 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Mouse LCN2 (rM LCN2). LCN2 specific IgG was purified by mouse LCN2 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of mouse LCN2 in mouse kidney with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections). The left panel: tissue incubated with primary antibody; The right panel: tissue incubated with the mixture of primary antibody and antigen (recombinant protein).



IHC (Immunohistochemistry)

Immunochemical staining of mouse LCN2 in mouse lung with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections). The left panel: tissue incubated with primary antibody; The right panel: tissue incubated with the mixture of primary antibody and antigen (recombinant protein).

ADDITIONAL INFORMATION

Related Product Information for anti-LCN2 antibody	Lipocalin-2 (LCN2), also known as neutrophil gelatinase-associated lipocalin (NGAL), is a 25 kDa protein belonging to the lipocalin superfamily. It was initially found in activated neutrophils, however, many other cells, like kidney tubular cells, may produce NGAL in response to various insults. This protein is released from injured tubular cells after various damaging stimuli, is already known by nephrologists as one of the most promising biomarkers of incoming Acute Kidney Injury (AKI). Recent evidence also suggests its role as a biomarker in a variety of other renal and non-renal conditions. Moreover, recent studies seem to suggest a potential involvement of this factor also in the genesis and progression of chronic kidney diseases. NGAL is the first known mammalian protein that specifically binds organic molecules called siderophores, which are high-affinity iron chelators. NGAL, first known as an antibacterial factor of natural immunity, and an acute-phase protein, is currently one of the most interesting and enigmatic proteins involved in the process of tumor development. acting as an intracellular iron carrier and protecting MMP9 from proteolytic degradation, NGAL has a clear pro-tumoral effect, as has already been observed in different tumors (e.g. breast, stomach, esophagus, brain) in humans. In thyroid carcinomas, NGAL is strongly induced by NF- κ B, an important factor involved both in tumor growth and in the link between chronic inflammation and neoplastic development. Thus, Lipocalin-2 (LCN2/NGAL) has been implicated in a variety of processes including cell differentiation, proliferation, survival, and morphogenesis.
References	Schmidt-Ott KM, et al. (2006) Neutrophil gelatinase-associated lipocalin-mediated iron traffic in kidney epithelia. Curr Opin Nephrol Hypertens. 15(4): 442-9. Bolignano D, et al. (2010) Neutrophil gelatinase-associated lipocalin (NGAL) in human neoplasias: a new protein enters the scene. Cancer Lett. 288(1): 10-6. Soni SS, et al. (2010) NGAL: a biomarker of acute kidney injury and other systemic conditions. Int Urol Nephrol. 42(1): 141-50. Bolignano D, et al. (2010) From kidney to cardiovascular diseases: NGAL as a biomarker beyond the confines of nephrology. Eur J Clin Invest. 40(3): 273-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34328049
NCBI GeneID	16819
NCBI Accession #	NP_032517.1
NCBI GenBank Nucleotide #	NM_008491.1
UniProt Accession #	P11672; Q3UE34
Molecular Weight	22,875 Da
NCBI Official Full Name	neutrophil gelatinase-associated lipocalin
NCBI Official Synonym Full Names	lipocalin 2
NCBI Official Symbol	Lcn2
NCBI Official Synonym Symbols	24p3; Sip24; AW212229
NCBI Protein Information	neutrophil gelatinase-associated lipocalin
UniProt Protein Name	Neutrophil gelatinase-associated lipocalin
UniProt Gene Name	Lcn2
UniProt Synonym Gene Names	NGAL
UniProt Entry Name	NGAL_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lipocalin-2-lcn2-antibody-immunohistochemistry-elisa/257073>