



Rabbit Anti-Human LCN2 monoclonal antibody, clone KN21-78 (CABT-L919)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Lipocalin-2
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	KN21-78
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC
Cellular Localization	Secreted.
Positive Control	A431, 293T, Hela, SW480, human stomach cancer tissue, human spleen tissue, human uterus tissue, human lung tissue, human pancreas tissue.
Format	Liquid
Size	100 µl
Buffer	1xTBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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BACKGROUND

Introduction	In addition to the monomeric mammalian progelatinase, two additional forms of progelatinase have been identified. The shorter of these additional forms is a covalently linked, disulfide-bridged protein that heterodimerizes with a short protein; an α 2-Microglobulin-related protein known as neutrophil gelatinase-associated lipocalin (NGAL), which is moderately expressed in breast and lung tissues. NGAL belongs to the lipocalin family and has a high degree of similarity with rat α 2-Microglobulin-related protein and mouse protein 24p3. NGAL is able to bind a derivative of the bacterial chemotactic peptide, suggesting that it has important immuno-modulatory functions. NGAL has been described as an inflammatory protein; it is released into the circulation as a result of the inflammatory activation of leukocytes initiated by the extra-corporeal circulation. In addition, NGAL synthesis is induced in epithelial cells in inflammatory and neoplastic colorectal diseases. In conclusion, NGAL may serve as a scavenger of bacterial products to function in the anti-inflammatory process.
Keywords	24p3;25 kDa alpha 2 microglobulin related subunit of MMP9;25 kDa alpha-2-microglobulin-related subunit of MMP-9;Alpha 2 microglobulin related protein;HGNC:6526;HNL;Lcn2;Lcn2;Lipocalin-2;Migration stimulating factor inhibitor;MSFI;Neutrophil gelatinase associated lipocalin;Neutrophil gelatinase associated lipocalin precursor;Neutrophil gelatinase-associated lipocalin;NGAL;NGAL_HUMAN;Oncogene 24p3;Oncogenic lipocalin 24p3;p25;Siderocalin;siderocalin LCN2;SV40 induced 24P3 protein;Uterocalin antibody

GENE INFORMATION

Entrez Gene ID	3934
UniProt ID	P80188
