NGAL Rabbit Polyclonal Antibody / Lipocalin 2 / LCN2 (R32169)

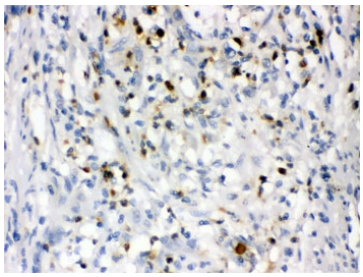
Catalog No.	Formulation	Size
R32169	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

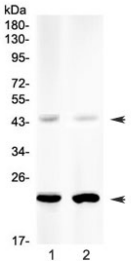
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P80188
Localization	Cytoplasmic
Applications	Western blot: 0.1-0.5ug/ml IHC (FFPE): 0.5-1ug/ml ELISA: 0.1-0.5ug/ml (human protein tested); request BSA-free format for coating
Limitations	This NGAL Rabbit Polyclonal Antibody is available for research use only.



NGAL Rabbit Polyclonal Antibody WB Analysis. Western blot testing of human 1) A549 and 2) SMMC cell lysate with NGAL antibody at 0.5ug/ml. Predicted/observed molecular weigth: 22-25 kDa (monomer).



NGAL Rabbit Polyclonal Antibody Immunohistochemistry Staining. IHC testing of FFPE human intestinal cancer tissue with NGAL antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



Western blot testing of human 1) SMMC-7721 and 2) A549 cell lysate (50ug/lane) with NGAL antibody at 0.5ug/ml. Predicted/observed molecular weigth: 22-25 kDa (monomer), ~45 kDa (homodimer). Higher amounts of lysate/lane, a greater concentration of primary antibody or longer exposure times may be required to visualize the homodimer.

Description

NGAL Rabbit Polyclonal Antibody detects Europhile gelatinase-associated lipocalin (NGAL), a protein that in humans is encoded by the LCN2 gene. The binding of lipocalin-2 to bacterial siderophores is important in the innate immune response to bacterial infection. Upon encountering invading bacteria the toll-like receptors on immune cells stimulate the synthesis and secretion of lipocalin-2. Secreted lipocalin-2 then limits bacterial growth by sequestering iron-containing siderophores. Lipocalin-2 also functions as a growth factor.

For an additional antibody to this target, see our LCN2 Antibody / NGAL Antibody.

Application Notes

Optimal dilution of the NGAL Rabbit Polyclonal Antibody should be determined by the researcher.

Immunogen

Amino acids 21-198 of human LCN2 were used as the immunogen for the NGAL Rabbit Polyclonal Antibody.

Storage

After reconstitution, the NGAL Rabbit Polyclonal Antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Alternate Names

Lipocalin 2 antibody, LCN2 antibody, Neutrophil gelatinase-associated lipocalin antibody, Siderocalin antibody, 24p3 antibody, Uterocalin antibody

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