

NGAL Antibody

Catalog No: #48378

Package Size: #48378-1 50ul #48378-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

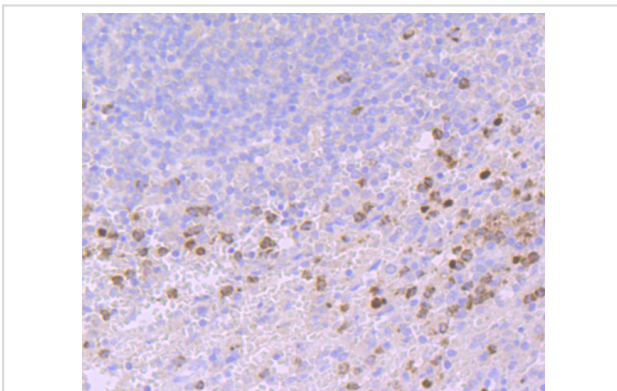
Description

Product Name	NGAL Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	AH22-11
Applications	WB, ICC, IHC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	24p3 antibody 25 kDa alpha 2 microglobulin related subunit of MMP9 antibody 25 kDa alpha-2-microglobulin-related subunit of MMP-9 antibody Alpha 2 microglobulin related protein antibody HGNC:6526 antibody HNL antibody Lcn 2 antibody Lcn2 antibody Lipocalin-2 antibody Migration stimulating factor inhibitor antibody MSFI antibody Neutrophil gelatinase associated lipocalin antibody Neutrophil gelatinase associated lipocalin precursor antibody Neutrophil gelatinase-associated lipocalin antibody NGAL antibody NGAL_HUMAN antibody Oncogene 24p3 antibody Oncogenic lipocalin 24p3 antibody p25 antibody Siderocalin antibody siderocalin LCN2 antibody SV40 induced 24P3 protein antibody Uterocalin antibody
Accession No.	Swiss-Prot#:P80188
Uniprot	P80188
GeneID	3934;
Calculated MW	22 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.11% Sodium Azide.
Storage	Store at -20°C

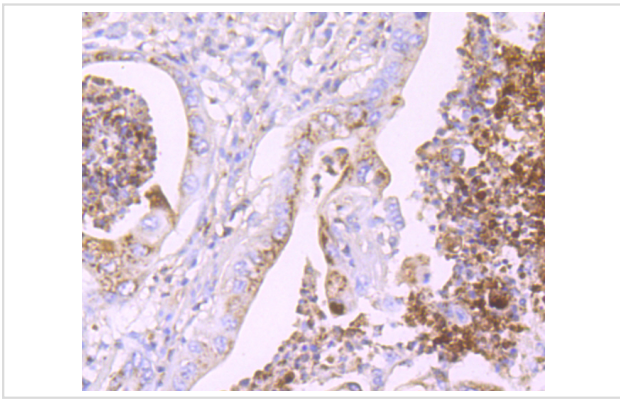
Application Details

WB: 1:1,000 IHC: 1:50-1:200 ICC: 1:50-1:200

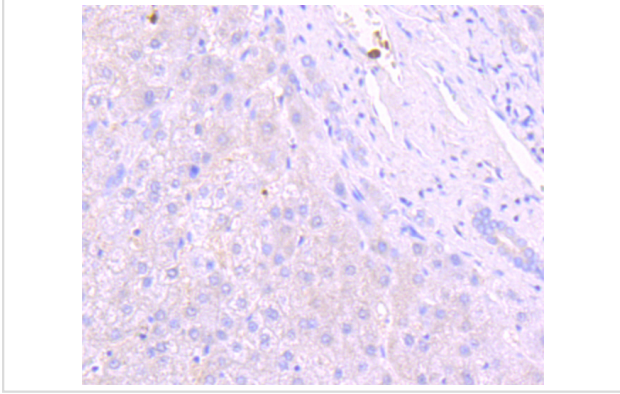
Images



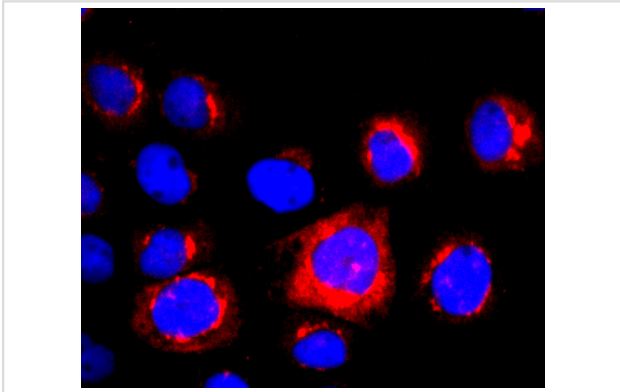
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-NGAL Tubulin antibody. Counter stained with hematoxylin.



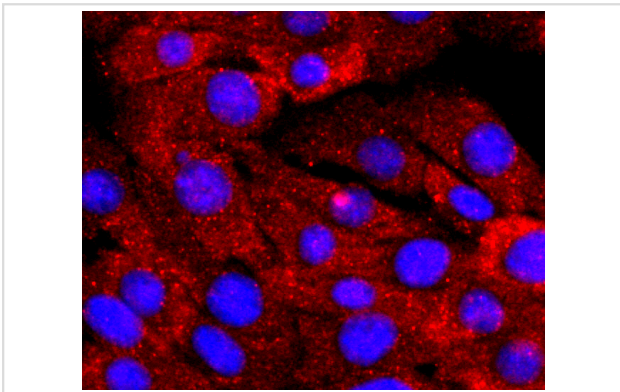
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue using anti-NGAL antibody. Counter stained with hematoxylin.



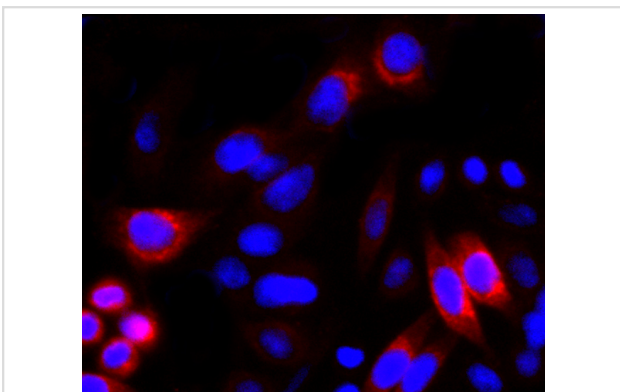
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-NGAL antibody. Counter stained with hematoxylin.



ICC staining NGAL in A431 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining NGAL in NIH-3T3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining NGAL in SW480 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

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.

References

Note: This product is for in vitro research use only