

Anti-Lipocalin-2/LCN2 Antibody (70248)

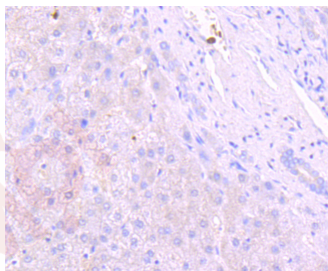
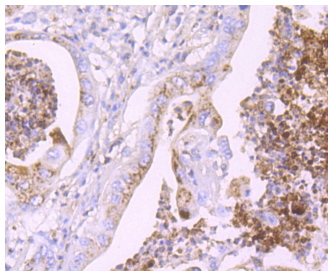
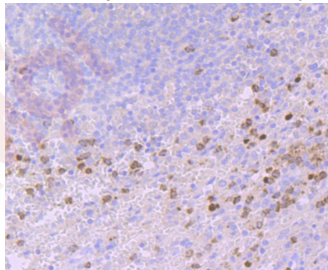
Product Details

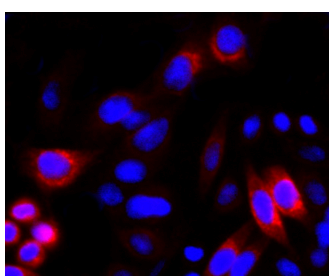
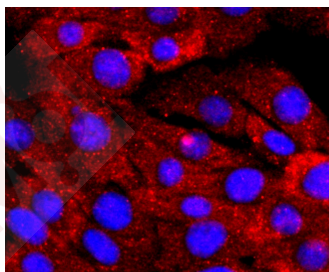
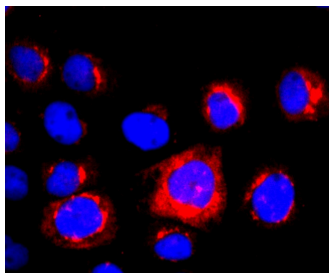
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 22 kDa.
Clone:	70248

Applications

Verified Activity:

1. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-NGAL Tubulin antibody. Counter stained with hematoxylin.
2. Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue using anti-NGAL antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-NGAL antibody. Counter stained with hematoxylin.
4. 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.
5. 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.
6. 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.





Application: ICC,IHC,WB

Recommended WB: 1:1000; IHC: 1:50-200; ICC: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P80188

Synonyms: Lipocalin-2;Oncogene 24p3;Siderocalin LCN2;NGAL;p25;MSFI

Research 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 immunomodulatory 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 inflammatory process.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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