



Polyclonal Antibody against Human Lipocalin 2 (LCN2)

Catalog Number: 11050

Size: 100 µg

Host: Rabbit

Introduction to the Molecule

Lipocalin-2 (LCN2), also known as neutrophil gelatinase-associated lipocalin (NGAL), 24p3, or neutrophil lipocalin (NL), is a 25-kDa secretory glycoprotein¹. LCN2 has been implicated in a variety of cellular processes including the innate immune response, differentiation, tumorigenesis, and cell survival²⁻³. It appears to be upregulated in various inflammation and infection conditions. Several reports suggest that LCN2 may represent a sensitive biomarker for various renal injuries⁴ and is associated with several types of cancers, including breast cancer⁵, ovarian, colorectal, and pancreatic cancers⁶⁻⁷. Furthermore, a growing body of evidence suggests that serum levels of LCN2 are correlated with obesity, insulin resistance, coronary heart disease and fatty liver disease in humans⁸⁻¹⁰.

Purification

Antigen affinity-purified

Immunogen

Recombinant full-length human LCN2 expressed in *E.coli*.

Specificity

The antibody detects circular human LCN2.

Formulation & Storage

Liquid in phosphate-buffered saline (PBS). Store at -20°C for less than one week. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

Application/Usage

Western blot and **ELISA**.

Quality Control Test

BCA to determine quantity of the antibody.

References

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