



Polyclonal Antibody against Mouse Lipocalin 2 (LCN2)

Catalog Number: 12050**Size: 100 ug****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 lipocalin-2 are correlated with obesity, insulin resistance, coronary heart disease and fatty liver disease in humans⁸⁻¹⁰.

Isotype/Preparation:

Rabbit specific IgG was purified by antigen affinity chromatography.

Immunogen:

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

Specificity:

The antibody detects circular mouse LCN2.

Formulation:

Solution in PBS. Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

Application/Usage:

Western blot, ELISA and immunostaining.

Quality Control Test

BCA to determine quantity of the antibody





Reference:

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- [6] Hanai, J. et al. (2005) *J. Biol. Chem.* 280:13641-7.
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