Monoclonal Antibody against Human Lipocalin-2 (2C3)

Catalog Number: 21051 Size: 100 µg Host: Mouse

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, hyperglycemia, coronary heart disease and fatty liver disease in humans⁸⁻¹¹.

Purification

Protein G affinity purification

Immunogen

Recombinant full-length human lipocalin-2 (Cat. No: 41050) in E.coli.

Specificity

The antibody detects 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/defrost cycles.

Application/Usage

This antibody can be used as a capture antibody in a human lipocalin-2 ELISA in combination with monoclonal anti-human lipocalin-2 antibody clone 2G1 (Cat. No.: 21050) as detection antibody.

References

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