



## Polyclonal Antibody against Mouse Lipocalin 2 (LCN2)

Catalog Number: 12050

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 glycoprotein<sup>1</sup>. LCN2 has been implicated in a variety of cellular processes including the innate immune response, differentiation, tumorigenesis, and cell survival<sup>2-3</sup>. It appears to be upregulated in various inflammation and infection conditions. Several reports suggest that LCN2 may represent a sensitive biomarker for various renal injuries<sup>4</sup> and is associated with several types of cancers, including breast cancer<sup>5</sup>, ovarian, colorectal, and pancreatic cancers<sup>6-7</sup>. 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 humans<sup>8-10</sup>.

### Purification

Antigen affinity-purified

### Immunogen

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

### Specificity

The antibody detects circular mouse 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, ELISA and immunostaining.**

### Quality Control Test

BCA to determine quantity of the antibody.

### References

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