



## **Polyclonal Antibody against Human Lipocalin 2 (LCN2)**

**Catalog Number: 11050****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 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>.

### **Isotype/Preparation:**

Rabbit specific IgG was purified by antigen affinity chromatography.

### **Immunogen:**

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

### **Specificity:**

The antibody detects circular human 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** and **ELISA**.

### **Quality Control Test**

BCA to determine quantity of the antibody





## Reference:

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