



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

**Catalog Number:** 11050

**Size:** 0.1 mg

**Host:** Rabbit

**Immunogen:**

Recombinant full-length human LCN2 expressed in E.Coli.

**Purification method:**

The antibody is purified by antigen affinity chromatography.

**Specificity:**

The antibody detects circular human LCN2.

**Formulation:**

Solution in PBS.

**Storage:**

Store the antibody at  $-20^{\circ}\text{C}$ . For long-term storage, aliquot and freeze at  $-70^{\circ}\text{C}$ . Avoid repeated freeze/defrost cycles.

**Application:**

ELISA, Western blot .

**Introduction**

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>.

**Reference**

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