

## LCN2

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC IF

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:10 - 1:100

**Calculated MW:** 23kDa

**Observed MW:** Refer to Figures

**Immunogen:**

A synthetic peptide of human LCN2

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

LCN2; 24p3; MSFI; NGAL; Lipocalin-2;

**Catalog #:** A2092

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 3934

**Isotype:** IgG

**Swiss Prot:** P80188

**Purity:** Affinity purification

For research use only.

**Background:**

Lipocalin-2, a member of the lipocalin family of proteins, was originally identified as a gelatinase-associated component of neutrophil secretory granules (1). Lipocalin-2 is involved in innate immunity, iron homeostasis, and apoptosis. Lipocalin-2 limits bacterial growth by binding to bacterial siderophores and sequestering iron (2-4). In mammalian cells, iron-loaded lipocalin-2 binds to its receptor, 24p3R, and is internalized, thereby releasing iron and increasing the intracellular iron concentration (5). Conversely, iron-free lipocalin-2 promotes apoptosis (5). Lipocalin-2 is also expressed in adipose tissue and promotes insulin resistance in cultured mouse adipocytes (6).

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