

## LCN2

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**Reactivity:**Human

**Tested applications:**WB IF

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

**Calculated MW:**23kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein 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 #:**A11130

**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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