

MACO0520

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## Product Information

**Size:**

50ug

**Reactivity:**

Human, Mouse

**Source:**

Mouse

**Isotype:**

IgG2b

**Applications:**

ELISA, WB, IHC

**Recommended dilutions:**

WB:1:500-1:5000, IHC:1:50-1:500

**Protein Background:**

Iron-trafficking protein involved in multiple processes such as apoptosis, innate immunity and renal development. Binds iron through association with 2,5-dihydroxybenzoic acid (2,5-DHBA), a siderophore that shares structural similarities with bacterial enterobactin, and delivers or removes iron from the cell, depending on the context. Iron-bound form (holo-24p3) is internalized following binding to the SLC22A17 (24p3R) receptor, leading to release of iron and subsequent increase of intracellular iron concentration. In contrast, association of the iron-free form (apo-24p3) with the SLC22A17 (24p3R) receptor is followed by association with an intracellular siderophore, iron chelation and iron transfer to the extracellular medium, thereby reducing intracellular iron concentration.

**Gene ID:**

LCN2

**Uniprot**

P80188

**Synonyms:**

25 kDa alpha-2-microglobulin-related subunit of MMP-9; Lipocalin-2; Oncogene 24p3; p25; LCN2; HNL; NGAL

**Immunogen:**

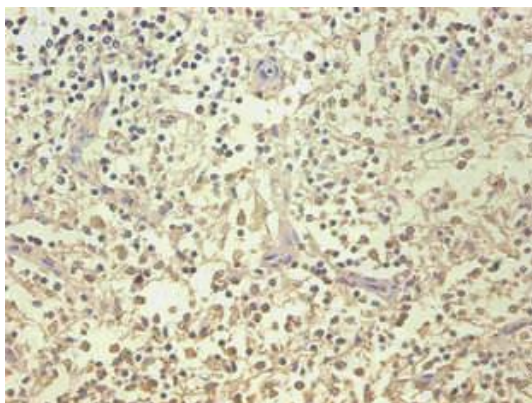
Recombinant Human Neutrophil gelatinase-associated lipocalin protein

**Storage:**

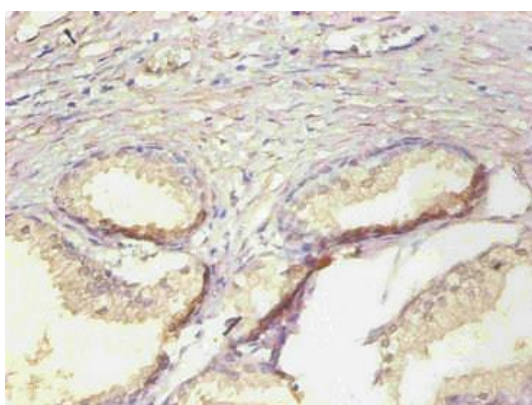
Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

## Product Images

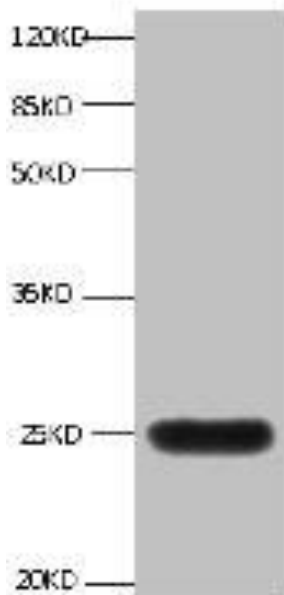
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Immunohistochemical of paraffin-embedded human spleen organization using MACO0520 at dilution of 1:200



Immunohistochemical of paraffin-embedded human prostate tissue using MACO0520 at dilution of 1:200



All lanes: Mouse anti-human Neutrophil gelatinase-associated lipocalin monoclonal antibody at 1ug/ml  
Lane 1: NGAL transfected 293 cell lysate  
Predicted band size : 22 kDa  
Observed band size : 25 kDa