

MACO0544

Product Information

Size:

50ug

Reactivity:

Human, Mouse

Source:

Mouse

Isotype:

IgG2b

Applications:

ELISA, WB

Recommended dilutions:

WB:1:500-1:5000

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:

NGAL,25 kDa alpha-2-microglobulin-related subunit of MMP-9, Lipocalin-2

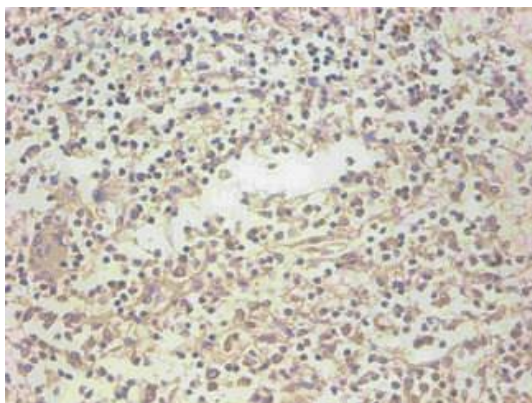
Immunogen:

Recombinant Human Neutrophil gelatinase-associated lipocalin protein

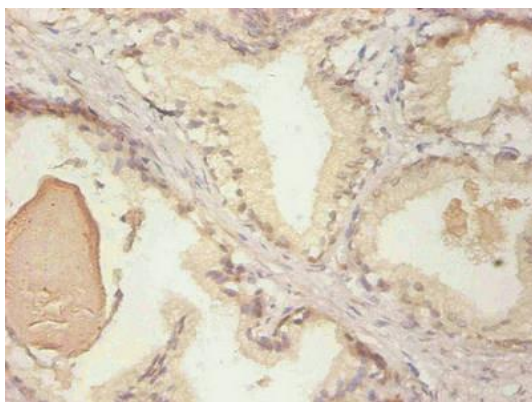
Storage:

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

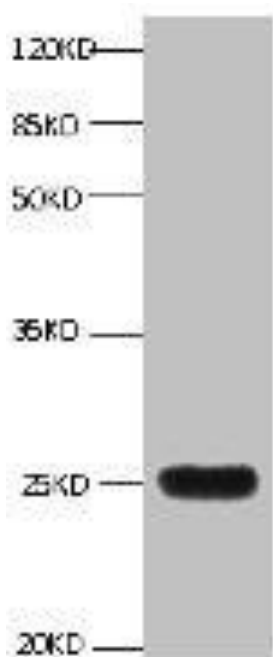
Product Images



Immunohistochemical of paraffin-embedded human spleen organization using MACO0544 at dilution of 1:200



Immunohistochemical of paraffin-embedded human prostate tissue using MACO0544 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