

For Research Use Only

NGAL Polyclonal antibody

Catalog Number: 31721-1-AP



Basic Information

Catalog Number:

31721-1-AP

Size:

450 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_005564.5

GeneID (NCBI):

3934

UNIPROT ID:

P80188-1

Full Name:

lipocalin 2

Calculated MW:

23kDa

Observed MW:

22 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HT-29 cells, mouse bone marrow tissue

Background Information

Lipocalin-2 (LCN-2) is a adipocytokine also referred to as neutrophil gelatinase-associated lipocalin (NGAL). Lipocalin-2 is a circulatory protein responsible for the transportation of small and hydrophobic molecules to target organs. Lipocalin-2 is used as a biomarker for acute and chronic renal injury. It is present in a large variety of cells including neutrophil, hepatocytes, lung, bone marrow, adipose tissue, macrophages, thymus, non-neoplastic breast duct, prostate, and renal cells. Different functions have been associated with Lipocalin-2, including antibacterial, anti-inflammatory, and protection against cell and tissue stress (PMID:34463264).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

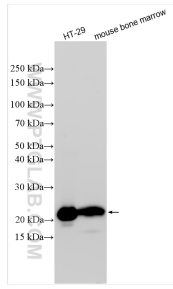
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31721-1-AP (Lipocalin-2/NGAL antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.