

For Research Use Only

# Lipocalin-2/NGAL Recombinant antibody, PBS Only

Catalog Number: 82841-1-PBS

Featured Product



## Basic Information

Catalog Number:

82841-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NP\_005555.2

GeneID (NCBI):

3934

UNIPROT ID:

P80188

Full Name:

lipocalin 2

Calculated MW:

23kd

Observed MW:

22-25 kDa

Purification Method:

Protein A purification

CloneNo.:

2G1

## Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human

## 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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

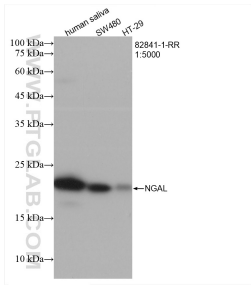
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

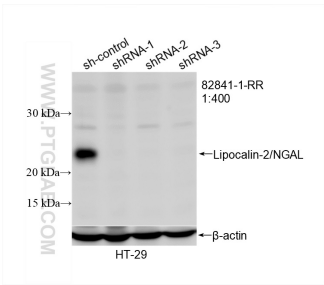
W: [ptgcn.com](http://ptgcn.com)

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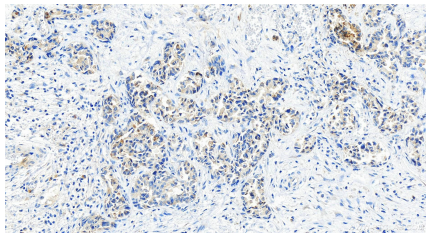
Selected Validation Data



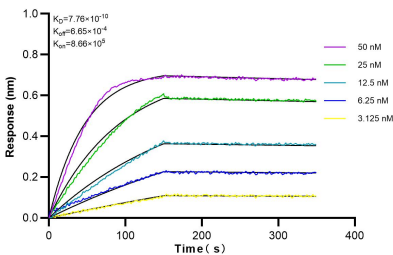
Various lysates were subjected to SDS PAGE followed by western blot with 82841-1-RR (Lipocalin-2/NGAL antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82841-1-PBS in a different storage buffer formulation.



WB result of NGAL antibody (82841-1-RR; 1:400; incubated at room temperature for 1.5 hours) with sh-Control and sh-NGAL transfected HT-29 cells. This data was developed using the same antibody clone with 82841-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 82841-1-RR (NGAL antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82841-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82841-1-RR against Human NGAL were performed. The affinity constant is 0.776 nM.