

For Research Use Only

Rat Lipocalin-2/NGAL Recombinant antibody, PBS Only (Capture)

Catalog Number: 83853-2-PBS



Basic Information

Catalog Number:

83853-2-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

170496

UNIPROT ID:

P30152

Full Name:

Lipocalin 2

Calculated MW:

22kDa

Observed MW:

22-25 kDa

Purification Method:

Protein A purification

CloneNo.:

240792C12

Applications

Tested Applications:

WB, IHC, Cytometric bead array, Indirect ELISA

Species Specificity:

mouse, rat

Background Information

Neutrophil gelatinase-associated lipocalin (NGAL, also known as lipocalin-2, siderocalin, or LCN2) is a small molecule of almost 25 kDa that belongs to the well-defined superfamily of proteins called lipocalins. NGAL was initially found in activated neutrophils, under its role as an innate antibacterial factor. However, it was subsequently shown that many other types of cells, including those in the kidney tubule, may produce NGAL in response to various injuries. NGAL may become one of the most promising next-generation biomarkers in clinical nephrology and beyond. This antibody recognizes rat Lipocalin-2/Ngal.

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:

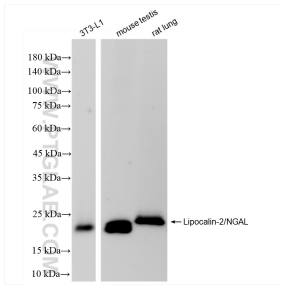
T: 4006900926

E: Proteintech-CN@ptglab.com

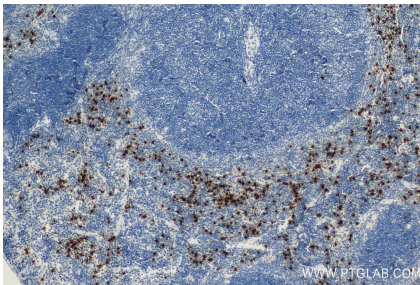
W: ptgcn.com

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

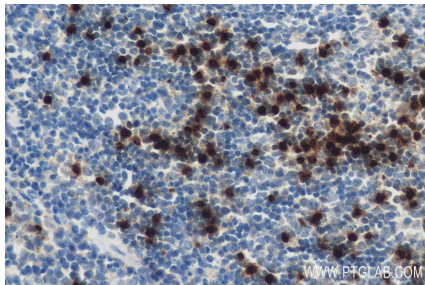
Selected Validation Data



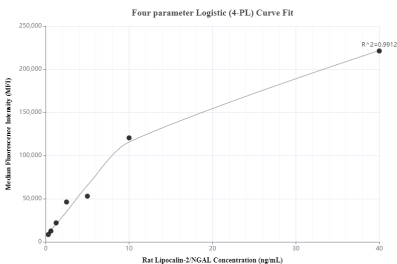
Various lysates were subjected to SDS PAGE followed by western blot with 83853-2-RR (Lipocalin-2/NGAL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83853-2-PBS in a different storage buffer formulation.



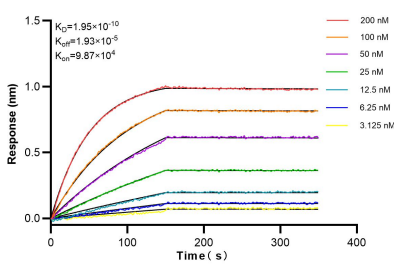
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 83853-2-RR (Lipocalin-2/Ngal antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83853-2-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 83853-2-RR (Lipocalin-2/Ngal antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83853-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00790-3, RAT Lipocalin-2/NGAL Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83853-2-PBS. Detection antibody: 83853-3-PBS. Standard: Eg1022. Range: 0.313-40 ng/mL



Biolayer interferometry (BLI) kinetic assays of 83853-2-RR against Rat Lipocalin-2/Ngal were performed. The affinity constant is 0.195 nM.