

For Research Use Only

Lipocalin-2/NGAL Recombinant antibody

Catalog Number: 83853-2-RR



Basic Information

Catalog Number: 83853-2-RR	GenBank Accession Number: GeneID (NCBI): 170496	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	UNIPROT ID: P30152	CloneNo.: 240792C12
Source: Rabbit	Full Name: Lipocalin 2	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:200-1:800
Isotype: IgG	Calculated MW: 22kDa Observed MW: 22-25 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: mouse, rat	WB : 3T3-L1 cells, mouse testis tissue, rat lung tissue IHC : mouse spleen tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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

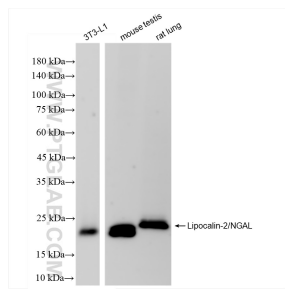
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

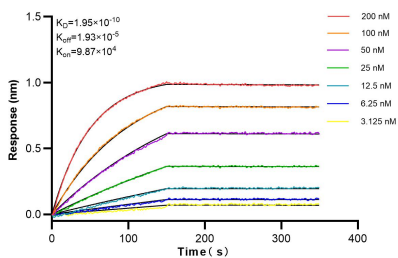
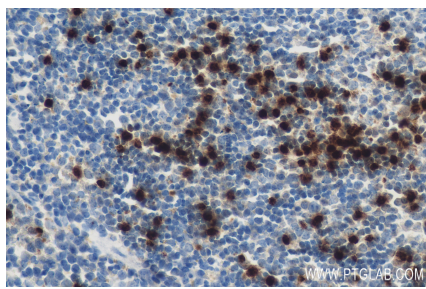
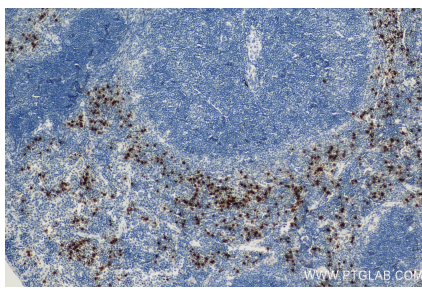
For technical support and original validation data for this product please contact:
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Selected Validation Data



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.



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