

For Research Use Only

# Lipocalin-2/NGAL Polyclonal antibody

Catalog Number:30576-1-AP



## Basic Information

<b>Catalog Number:</b> 30576-1-AP	<b>GenBank Accession Number:</b> NM_008491.1	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 16819	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P11672	
<b>Isotype:</b> IgG	<b>Full Name:</b> lipocalin 2	
	<b>Calculated MW:</b> 23KD	
	<b>Observed MW:</b> 22-25 kDa	

## Applications

### Tested Applications:

WB, IHC, ELISA

### Species Specificity:

mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : mouse lung tissue, mouse spleen tissue, mouse testis tissue

IHC : mouse spleen tissue, mouse lung tissue

## 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 mouse 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

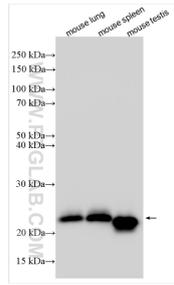
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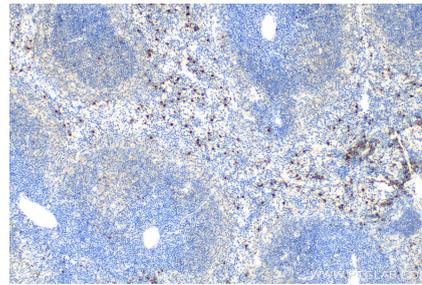
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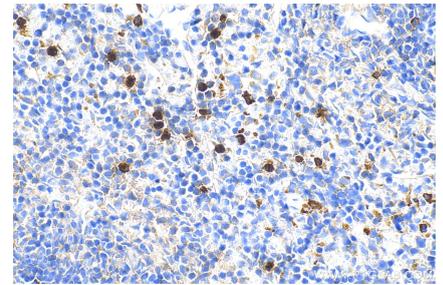
## Selected Validation Data



mouse lung tissue were subjected to SDS PAGE followed by western blot with 30576-1-AP (Lipocalin-2/Ngal antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 30576-1-AP (Lipocalin-2/Ngal antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 30576-1-AP (Lipocalin-2/NGAL antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).