

For Research Use Only

# Lipocalin-2/NGAL Polyclonal antibody



Catalog Number: 30700-1-AP

## Basic Information

<b>Catalog Number:</b> 30700-1-AP	<b>GenBank Accession Number:</b> GeneID (NCBI): 3934	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 200 µg/ml by Nanodrop;	<b>Full Name:</b> lipocalin 2	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500 IF 1:200-1:800
<b>Source:</b> Rabbit	<b>Observed MW:</b> 22-25 kDa	
<b>Isotype:</b> IgG		
<b>Immunogen Catalog Number:</b> AG33369		

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : HT-29 cells, IHC : human colon cancer tissue, IF : RAW 264.7 cells,
<b>Species Specificity:</b> Human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

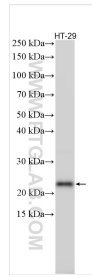
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

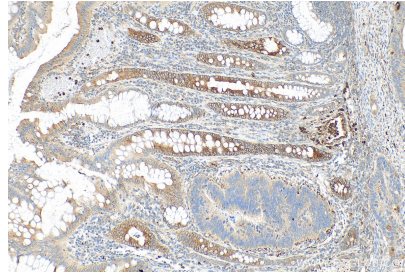
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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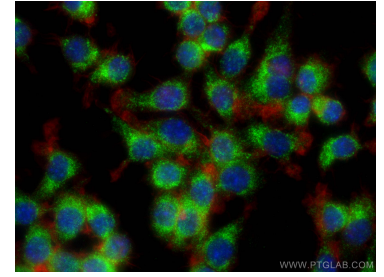
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30700-1-AP (Lipocalin-2/NGAL antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 30700-1-AP (Lipocalin-2/NGAL antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using Lipocalin-2/NGAL antibody (30700-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).