

# Lipocalin 2 Antibody / NGAL / LCN2

Catalog No: tcna6623



## Available Sizes

**Size:** 100ug



## Specifications

**Application:**

WB, IHC-P, IHC-F

**Species Reactivity:**

Mouse, Rat

**Host Species:**

Rabbit

**Immunogen / Amino acids:**

Amino acids 21-200 of mouse Lipocalin 2 were used as the immunogen for the Lipocalin 2 antibody.

**Conjugation:**

Antigen affinity purified

**Clonality:**

Polyclonal

**Isotype:**

Rabbit IgG

**Form:**

Lyophilized powder

**Storage Buffer:**

0.5mg/ml if reconstituted with 0.2ml sterile DI water

**Recommended Dilution:**

Western blot: 0.1-0.5ug/ml

IHC (Paraffin): 0.5-1ug/ml

IHC (Frozen): 0.5-1ug/ml Optimal dilution of the Lipocalin 2 antibody should be determined by the researcher.

### Storage Instruction:

After reconstitution, the Lipocalin 2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

### SwissProt:

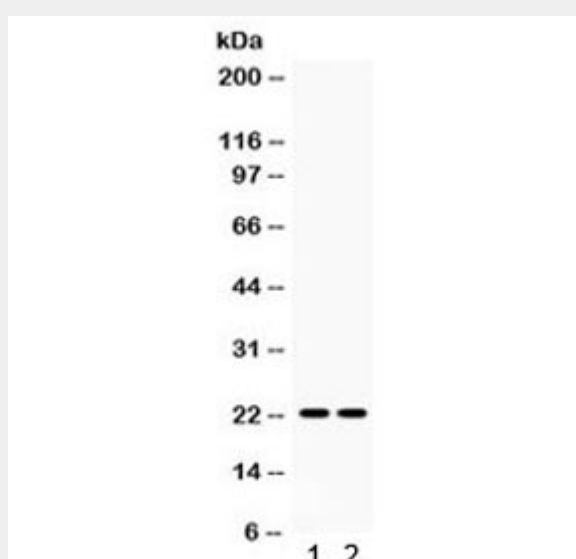
P11672

### References

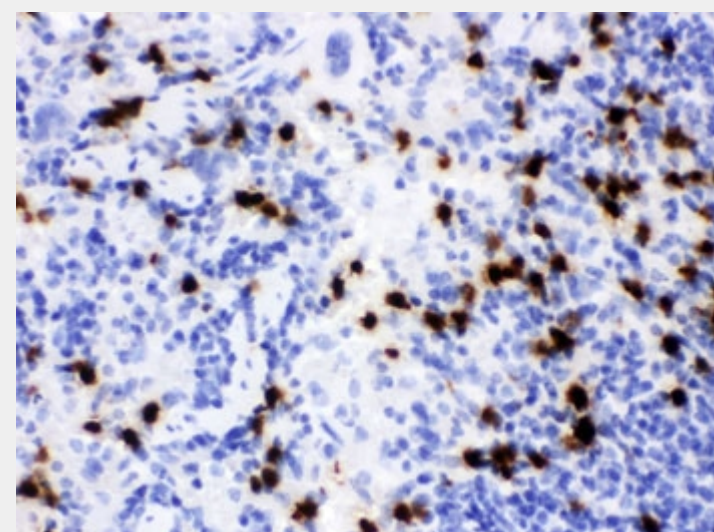
Antigen affinity purified

### Product Description

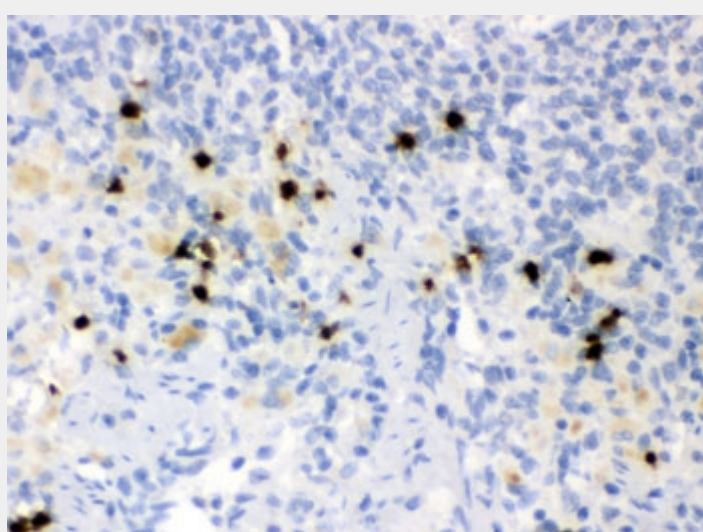
Euophile gelatinase-associated lipocalin (NGAL) is a protein that in humans is encoded by the LCN2 gene. The binding of lipocalin-2 to bacterial siderophores is important in the innate immune response to bacterial infection. Upon encountering invading bacteria the toll-like receptors on immune cells stimulate the synthesis and secretion of lipocalin-2. Secreted lipocalin-2 then limits bacterial growth by sequestering iron-containing siderophores. Lipocalin-2 also functions as a growth factor.



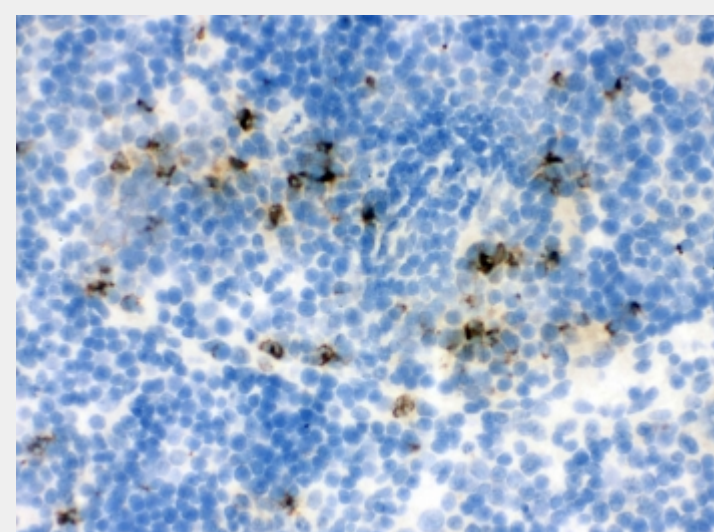
Western blot testing of 1) rat spleen and 2) rat lung lysate with Lipocalin 2 antibody.  
Predicted/observed molecular weight: 22-25 kDa.



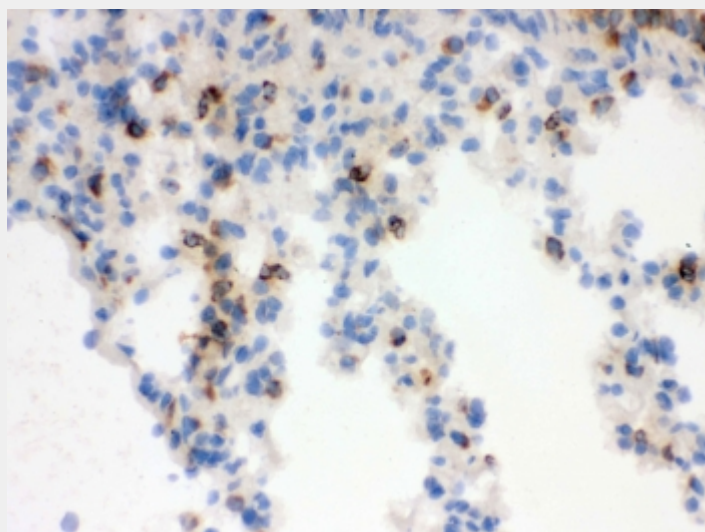
IHC testing of FFPE mouse spleen with Lipocalin 2 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



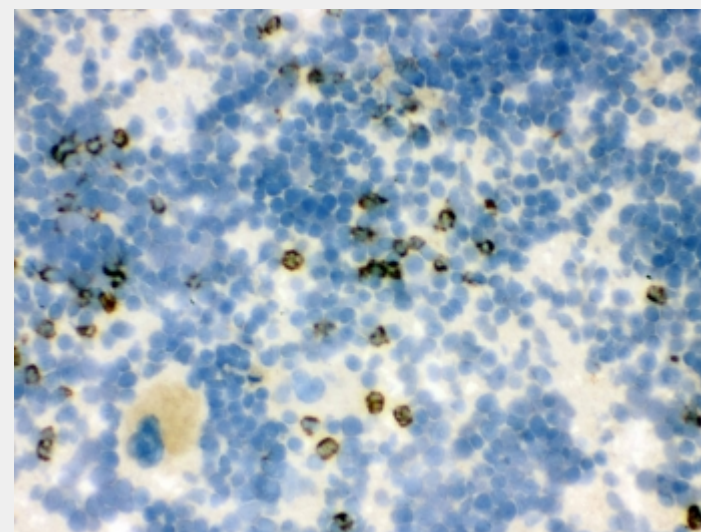
IHC testing of FFPE rat spleen with Lipocalin 2 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



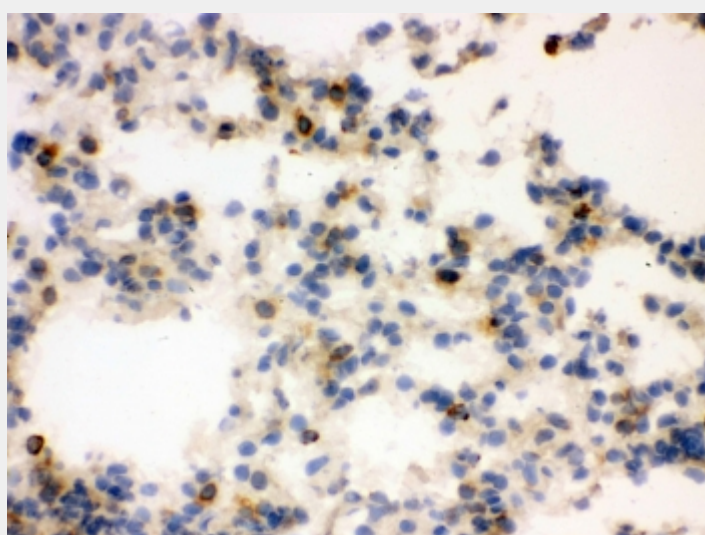
IHC testing of frozen mouse spleen tissue with Lipocalin 2 antibody.



IHC testing of frozen mouse lung tissue with Lipocalin 2 antibody.



IHC testing of frozen rat spleen tissue with Lipocalin 2 antibody.



IHC testing of frozen rat lung tissue with Lipocalin 2 antibody.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!