

Lipocalin-2/NGAL Rabbit pAb

Catalog NO.: A24538 **3 Publications**

Basic Information

Observed MW

23kDa

Calculated MW

23kDa

Category

Polyclonal Antibodies

Applications

WB, IF-P, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

Background

Enables iron ion binding activity. Involved in innate immune response; positive regulation of cold-induced thermogenesis; and siderophore transport. Acts upstream of or within extrinsic apoptotic signaling pathway in absence of ligand; response to bacterium; and response to virus. Located in extracellular space. Is expressed in several structures, including genitourinary system; gut; liver; lung; and spleen. Human ortholog(s) of this gene implicated in intrahepatic cholangiocarcinoma and urinary tract infection. Orthologous to human LCN2 (lipocalin 2).

Recommended Dilutions

WB 1:500 - 1:1000

IF-P 1:50 - 1:200

IHC-P 1:50 - 1:200

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID	Swiss Prot
16819	P11672

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

24p3; AW212229; NRL; Sip24; Lipocalin-2/NGAL

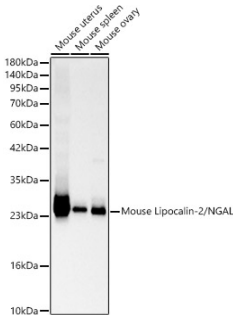
Contact

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.		

Validation Data



Western blot analysis of various lysates, using Mouse Lipocalin-2/NGAL Rabbit pAb (A24538) at 1:800 dilution.

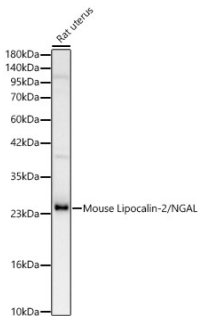
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of lysates from Rat uterus, using Mouse Lipocalin-2/NGAL Rabbit pAb (A24538) at 1:800 dilution.

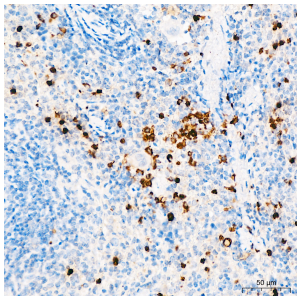
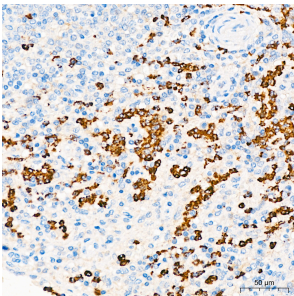
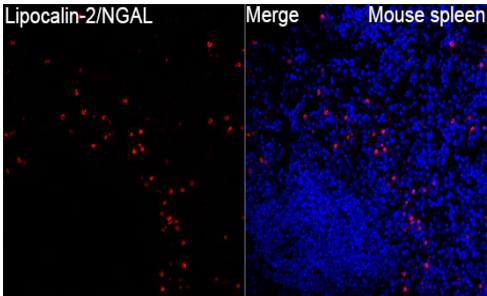
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Lipocalin-2/NGAL Rabbit pAb (A24538) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

Antibody | Protein | ELISA Kit | Enzyme | NGS | Service

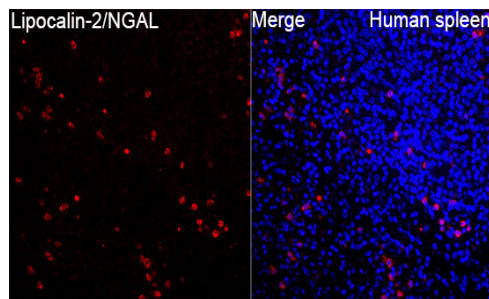
Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using Lipocalin-2/NGAL Rabbit pAb (A24538) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

Immunofluorescence analysis of Mouse spleen tissue using Lipocalin-2/NGAL Rabbit pAb (A24538) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.

For research use only. Not for therapeutic or diagnostic purposes.

Please visit <https://abclonal.com> for a complete list of recommended products.

Validation Data



Immunofluorescence analysis of Human spleen tissue using Lipocalin-2/NGAL Rabbit pAb (A24538) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.

