A26487

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Lipocalin-2/NGAL Rabbit mAb

Catalog No.: A26487 Recombinant 1 Publications

Basic Information

Observed MW
22kDa

Calculated MW
23kDa

Category
Monoclonal Antibody

Applications
WB,IHC-P,ELISA,IF-P

Cross-Reactivity
Human

Background

This gene encodes a protein that belongs to the lipocalin family. Members of this family transport small hydrophobic molecules such as lipids, steroid hormones and retinoids. The protein encoded by this gene is a neutrophil gelatinase-associated lipocalin and plays a role in innate immunity by limiting bacterial growth as a result of sequestering iron-containing siderophores. The presence of this protein in blood and urine is an early biomarker of acute kidney injury. This protein is thought to be be involved in multiple cellular processes, including maintenance of skin homeostasis, and suppression of invasiveness and metastasis. Mice lacking this gene are more susceptible to bacterial infection than wild type mice.

Recommended Dilutions

WB	1:12500 - 1:25000
IF-P	1:800-1:2400
IHC-P	1:1000 - 1:4000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

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Immunogen Information

Gene ID
3934

Swiss Prot
P80188

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

Synonyms
p25; 24p3; MSFI; NGAL

Product Information

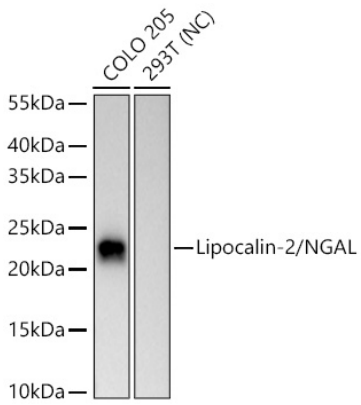
Source
Rabbit

Isotype
IgG

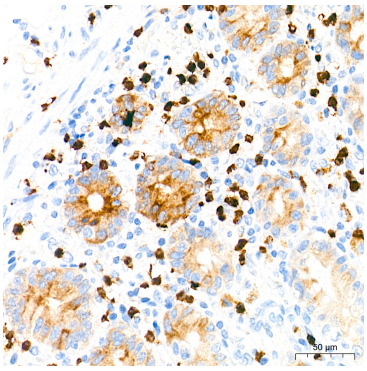
Purification
Affinity purification

Storage
Store at -20℃

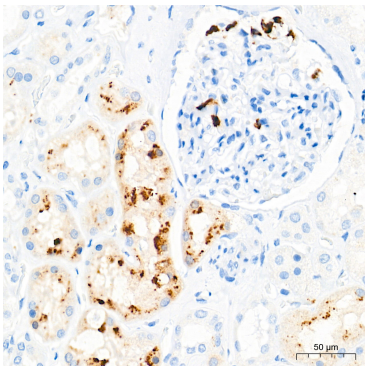
Validation Data



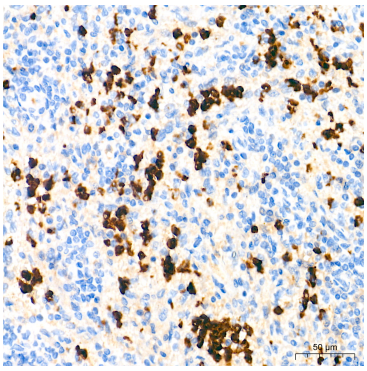
Western blot analysis of various lysates using Lipocalin-2/NGAL Rabbit mAb (A26487)at 1:25000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): 293T
Exposure time: 10s.



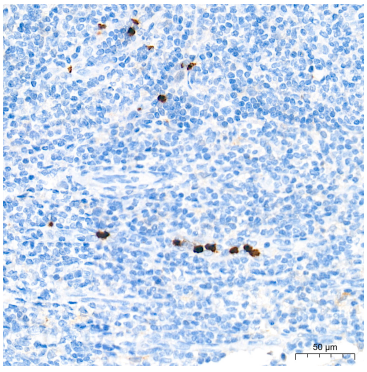
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Lipocalin-2/NGAL Rabbit mAb (A26487) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



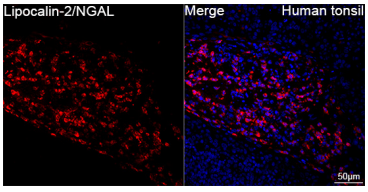
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using Lipocalin-2/NGAL Rabbit mAb (A26487) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



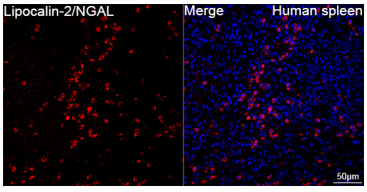
Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using Lipocalin-2/NGAL Rabbit mAb (A26487) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Lipocalin-2/NGAL Rabbit mAb (A26487) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



Confocal imaging of paraffin-embedded Human tonsil tissue using Lipocalin-2/NGAL Rabbit mAb (A26487, dilution 1:1200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0)



Confocal imaging of paraffin-embedded Human spleen tissue using Lipocalin-2/NGAL Rabbit mAb (A26487, dilution 1:1200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0)

prior to IF staining. Objective: 40x.

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