

Lipocalin 2 Antibody (NGAL, LCN2) (R31946)

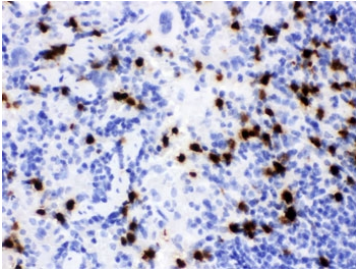
Catalog No.	Formulation	Size
R31946	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

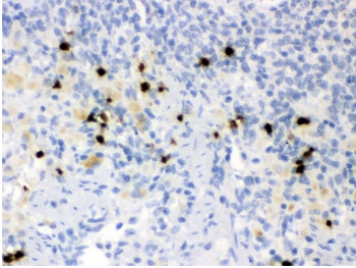
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P11672
Localization	Cytoplasmic, secreted
Applications	Western Blot : 0.1-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml IHC (Frozen) : 0.5-1ug/ml ELISA : 0.1-0.5ug/ml (mouse protein tested); request BSA-free format for coating
Limitations	This Lipocalin 2 antibody is available for research use only.



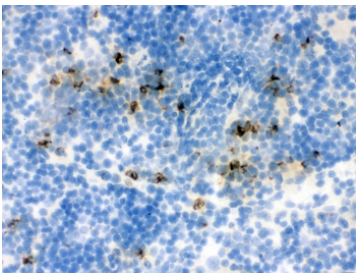
Western blot testing of 1) rat spleen and 2) rat lung lysate with Lipocalin 2 antibody.
Predicted/observed molecular weight: 22-25 kDa.



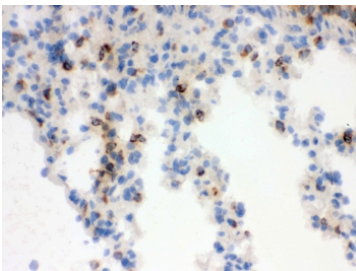
IHC testing of FFPE mouse spleen with Lipocalin 2 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



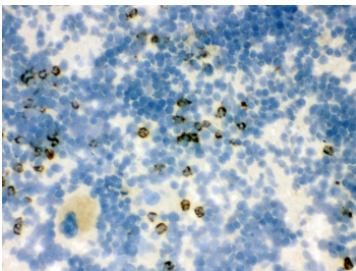
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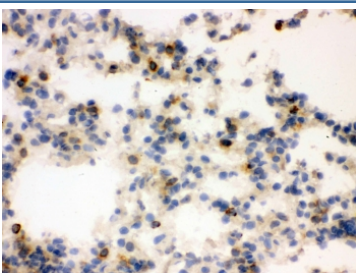
IHC testing of frozen mouse spleen tissue with Lipocalin 2 antibody.



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.

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.

Application Notes

Optimal dilution of the Lipocalin 2 antibody should be determined by the researcher.

Immunogen

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

Storage

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.