

Anti-Lipocalin 2/LCN2 Antibody Picoband™

Catalog Number: A00452

About Lcn2

Europhile 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.

Overview

Product Name	Anti-Lipocalin 2/LCN2 Antibody Picoband™
Reactive Species	Mouse
Description	Boster Bio Anti-Lipocalin 2/LCN2 Antibody Picoband™ catalog # A00452. Tested in ELISA applications. This antibody reacts with Mouse.
Application	ELISA
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P11672

Technical Details

Immunogen	E. coli-derived mouse Lipocalin 2 recombinant protein (Position: Q21-N200).
Predicted Reactive Species	Chicken
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

ELISA Capture (Matched Antibody Pair), 2-8ug/ml

Anti-Lipocalin 2/LCN2 Antibody Picoband™ (A00452) Images

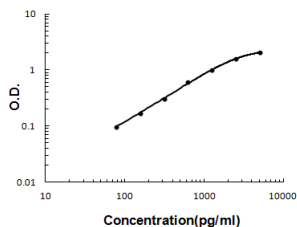


Figure 1. Sandwich ELISA - Recombinant mouse Lipocalin 2 protein standard curve.
Use in combination with reagents from Mouse Lipocalin 2 ELISA Kit EZ-Set (DIY Antibody Pairs) (EZ0854).

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