



## Product Information Sheet

### Polyclonal Anti- Europhile gelatinase-associated lipocalin, **NGAL**

**Catalogue No.** PA1381

**Lot No.** 0131112028127

**Ig type** rabbit IgG

**Size** 100µg/vial

**Specificity**

Rat.

No cross reactivity with other proteins.

**Recommended application**

*Western blot*

*Immunohistochemistry(P)*

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminal of rat NGAL (38-53 aa), identical to the related mouse and rat sequence.

**Purity**

Immunogen affinity purified.

**Application**

	Concentration	Tested Species	Concluded Species	Antigen Retrieval
WB	1µg/ml	Rat	-	-
IHC-P	1µg/ml	Rat	-	By Heat
IHC-F	-	-	-	-
ICC	-	-	-	-

**WB: The detection limit for NGAL is approximately 2.5ng/lane under non-reducing and reducing conditions.**

*Other applications have not been tested.*

*Optimal dilutions should be determined by end user.*

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**Reconstitution**

0.2ml of distilled water will yield a concentration of 500µg/ml.

**Storage**

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

To reorder contact us at:

**Antagene, Inc.**

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## **BACKGROUND**

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.

## **REFERENCE**

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