

# Product Datasheet

## Lipocalin-2/NGAL Antibody

### NB100-1503

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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#### Publications: 2

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**NB100-1503****Lipocalin-2/NGAL Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Goat Lipocalin-2/NGAL Antibody (NB100-1503) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-Lipocalin-2/NGAL Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Goat
<b>Gene ID</b>	3934
<b>Gene Symbol</b>	LCN2
<b>Species</b>	Human
<b>Immunogen</b>	Peptide with sequence C-AILREDKDPQKMY corresponding to internal region according to NP_005555.2.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 0.01 - 0.03 ug/ml, Immunohistochemistry 2 - 3 ug/ml, Immunohistochemistry-Paraffin 2 - 3 ug/ml, Peptide ELISA Detection limit 1:16000
<b>Application Notes</b>	WB: Approx. 22 kDa band observed in human kidney lysates (calculated MW of 22.6 kDa band according to NP_005555.2). IHC-P: Human spleen shows staining of cytoplasm in mostly binucleated cells, and of nucleoli in some of the non-dividing cells.

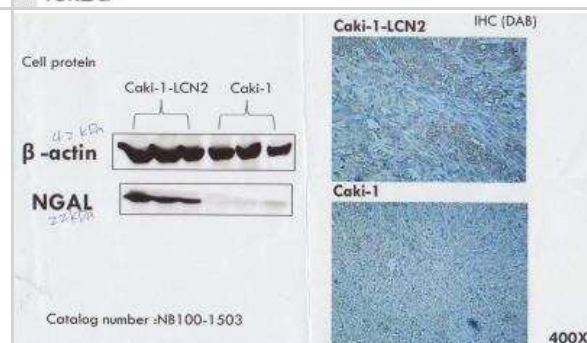


## Images

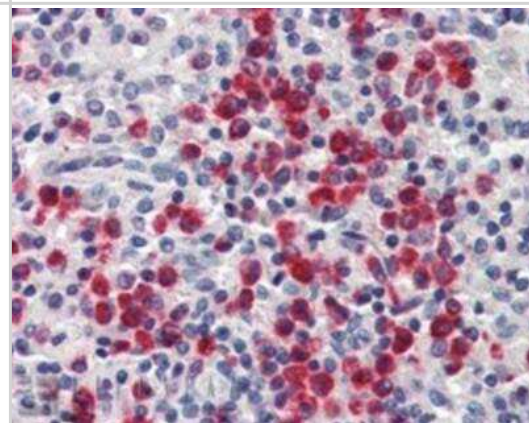
Western Blot: Lipocalin-2/NGAL Antibody [NB100-1503] - (0.03ug/ml) staining of Human Kidney lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa  
15kDa  
10kDa

Immunohistochemistry-Paraffin: Lipocalin-2/NGAL Antibody [NB100-1503] - Analysis of LCN2 in human xenograft tumor. Image courtesy of product review submitted by Yi-Ling Huang.



Immunohistochemistry-Paraffin: Lipocalin-2/NGAL Antibody [NB100-1503] - (2.5ug/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Mishra J, Dent C, Tarabishi R et al. Neutrophil gelatinase-associated lipocalin (NGAL) as a biomarker for acute renal injury after cardiac surgery. *Lancet* 2005-04-01 [PMID: 15811456]

Yu DS, Wu CL, Ping SY et al. Neutrophil Gelatinase-Associated Lipocalin (NGAL) Can Alternative Mediate Sunitinib Resistance in Renal Cell Carcinoma. *J Urol*. 2014-01-11 [PMID: 24423438] (WB, Human)

### Details:

Lipocalin 2 / NGAL antibody used for WB on Caki-1 and Caki-1/NGAL cells (Figure 2A). Antibody also used for IHC-P in xenografts generated from Caki-1 and Caki-1/NGAL cells.



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### **Products Related to NB100-1503**

NBL1-12463	Lipocalin-2/NGAL Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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