

Product Datasheet

Lipocalin-2/NGAL Antibody (29) - BSA Free NBP1-05183

Unit Size: 100 ug

Store at 4C in the dark.

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NBP1-05183

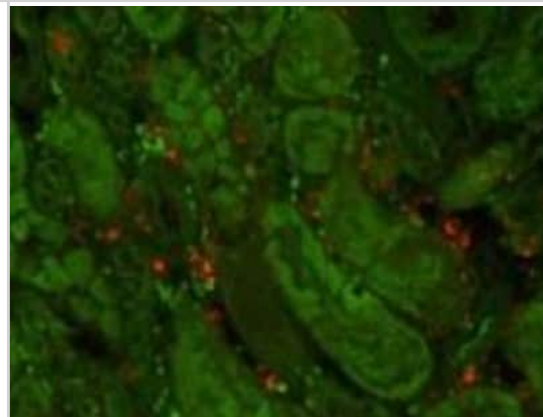
Lipocalin-2/NGAL Antibody (29) - BSA Free

Product Information	
Unit Size	100 ug
Concentration	1.0 mg/ml
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	29
Preservative	0.9% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10mM Phosphate (pH 7.4) and 0.5M NaCl
Product Description	
Host	Rat
Gene ID	3934
Gene Symbol	LCN2
Species	Mouse
Immunogen	Recombinant mouse NGAL
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100-1:2000, ELISA 1:4000, Immunohistochemistry 1:1000, Immunohistochemistry-Paraffin 1:1000
Application Notes	ELISA: NBP1-05183 binds free mouse NGAL in solution. NBP1-05183 forms an antibody pair for sandwich ELISA with NBP2-21746. It is recommended to use NBP2-21746 as a capture antibody and biotinylated NBP1-05183 as a detection antibody. WB: NBP1-05183 can be used in Western blotting. IHC: NBP1-05183 detects NGAL in paraffin-embedded sections in ischemia-reperfusion injured kidney cells from mouse (dilution 1:1000). Microwave pretreatment using Citrat buffer pH 6, is recommended.

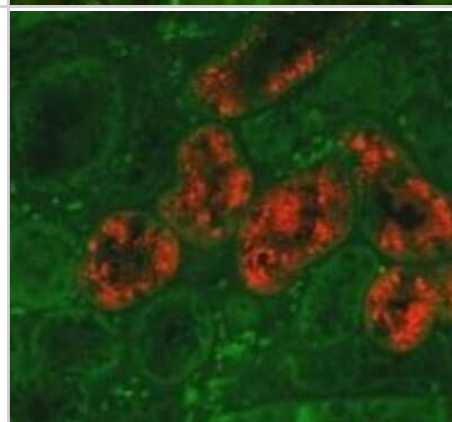


Images

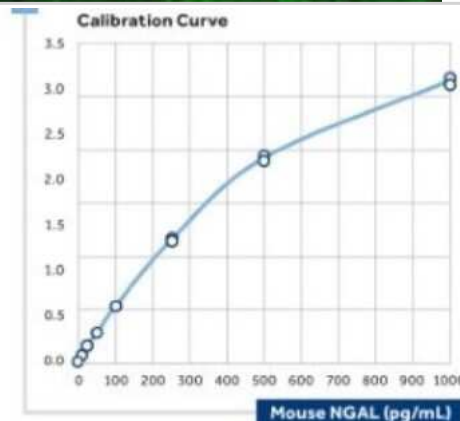
Immunohistochemistry: Lipocalin-2/NGAL Antibody (29) - BSA Free [NBP1-05183] - NGAL expression 2 days after the introduction of ischemic-reperfusion injured mouse kidney; detected with anti-mouse NGAL antibody at dilution of 1:1000. Image and data supplied by Prof. Gueler, Medizinische Hochschule Hannover.



Immunohistochemistry: Lipocalin-2/NGAL Antibody (29) - BSA Free [NBP1-05183] - NGAL expression in the ischemia-reperfusion injured mouse kidney; detected with anti-mouse NGAL antibody at dilution of 1:1000. Image and data supplied by Prof. Gueler, Medizinische Hochschule Hannover.



ELISA: Lipocalin-2/NGAL Antibody (29) - BSA Free [NBP1-05183] - The figure illustrates the calibration curve of a sandwich assay with NBP2-21746 as the capture antibody and NBP1-05183B as the biotinylated detection antibody.



Publications

Balamurugan Sundaram, Nagakannan Pandian, Hee Jin Kim, Hadia M Abdelaal, Raghvendra Mall, Omkar Indari, Roman Sarkar, Rebecca E Tweedell, Emily Q Alonzo, Jonathon Klein, Shondra M Pruett-Miller, Peter Vogel, Thirumala-Devi Kanneganti NLRC5 senses NAD⁺ depletion, forming a PANoptosome and driving PANoptosis and inflammation. *Cell* 2024-06-11 [PMID: 38878777]

Lahuerta M, Gonzalez D, Aguado C, et al. Reactive Glia-Derived Neuroinflammation: a Novel Hallmark in Lafora Progressive Myoclonus Epilepsy That Progresses with Age *Mol. Neurobiol.* 2019-12-05 [PMID: 31808062] (IF/IHC, Mouse)



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Products Related to NBP1-05183

HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
F0105B	Goat anti-Rat IgG Secondary Antibody [Phycoerythrin]
NBP1-43322-0.5mg	Rat IgG1 Kappa Light Chain Isotype Control (RG1)
NBP2-61329-10ug	Recombinant Human Lipocalin-2/NGAL Protein

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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