

Product Datasheet

Arginase 1/ARG1/liver Arginase Antibody NB100-59740

Unit Size: 0.1 mg

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

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NB100-59740

Arginase 1/ARG1/liver Arginase Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	37 kDa

Product Description	
Host	Goat
Gene ID	383
Gene Symbol	ARG1
Species	Human, Mouse, Rat
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 28246332).
Immunogen	Peptide with sequence C-NHKPETDYLKPPK corresponding to C-Terminus according to NP_058830.2.

Product Application Details	
Applications	Western Blot, Simple Western, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Peptide ELISA
Recommended Dilutions	Western Blot 0.003-0.01 ug/ml, Simple Western 5 ug/mL, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Frozen, Peptide ELISA 1:64000
Application Notes	WB: Approx. 37 kDa band observed in mouse and rat liver lysates (calculated MW of 35 kDa band according to NP_058830.2 and 34.8kDa according to Mouse NP_031508.1). Primary incubation 1 hour at room temperature. IHC-F usage is reported in scientific literature (PMID: 24089194). Use in ICC/IF reported in scientific literature (PMID 28246332). Use in Flow Cytometry reported in (PMID: 24089194). Use in IHC reported in scientific literature (PMID: 23207546).

Images

Western Blot: Arginase 1/ARG1/liver Arginase Antibody [NB100-59740] - (0.003ug/ml) staining of Mouse (A) and Rat (B) Liver lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



Publications

Lopez R, Li B, Keren-Shaul H et al. DestVI identifies continuums of cell types in spatial transcriptomics data *Nature Biotechnology* 2022-09-01 [PMID: 35449415] (Immunohistochemistry-Frozen)

Kim H, You M, Sung S et al. Possible involvement of microglial P2RY12 and peripheral IL-10 in postpartum depression *Frontiers in Cellular Neuroscience* 2023-06-15 [PMID: 37396924] (Western Blot)

Liu S, Hur YH, Cai X et al. A tissue injury sensing and repair pathway distinct from host pathogen defense *Cell* 2023-04-24 [PMID: 37098344] (IHC-Fr, Mouse)

Li Y, Acosta F, Quan Y et al. Studying macrophage activation in immune-privileged lens through CSF-1 protein intravitreal injection in mouse model *STAR Protocols* 2022-03-01 [PMID: 35005642] (IHC-Fr, Mouse)

Zhou J, Zhang C, Yang X et al. Study on the effect of sevoflurane on the cognitive function of aged rats based on the activation of cortical microglia *Ibrain* 2021-12-01 (WB, Rat)

Ghallab A, Myllys M, Friebel A et al. Spatio-Temporal Multiscale Analysis of Western Diet-Fed Mice Reveals a Translationally Relevant Sequence of Events during NAFLD Progression *Cells* 2021-09-23 [PMID: 34685496] (IF/IHC, Mouse)

Shao D, Li K, You M et al. Macrophage polarization by plasma sprayed ceria coatings on titanium-based implants: Cerium valence state matters *iScience* 2021-06-18 [PMID: 34142044] (Mouse)

McLane V D, Kumar S et al. Morphine-potentiated cognitive deficits correlate to suppressed hippocampal iNOS RNA expression and an absent type 1 interferon response in LP-BM5 murine AIDS. *J Neuroimmunol* 2018-06-15 [PMID: 29526406] (IF/IHC, Mouse)

Sadler R, Cramer JV, Heindl S et al. Short-Chain Fatty Acids Improve Poststroke Recovery via Immunological Mechanisms *J. Neurosci.* 2020-01-29 [PMID: 31889008] (IF/IHC, Mouse)

Rodet F, Capuz A, Ozcan BA et al. PC1/3 KD Macrophages Exhibit Resistance to the Inhibitory Effect of IL-10 and a Higher TLR4 Activation Rate, Leading to an Anti-Tumoral Phenotype *Cells* 2019-11-22 [PMID: 31766635] (WB, Rat)

C Carmona-Fo, M Deforet, L Akkari, CB Thompson, JA Joyce, JB Xavier Metabolic origins of spatial organization in the tumor microenvironment *Proc. Natl. Acad. Sci. U.S.A.*, 2017-02-28;0(0):. 2017-02-28 [PMID: 28246332] (Immunocytochemistry/ Immunofluorescence, Human)

Jiang M, Ding Y, Su Y et al. Arginase-flotillin interaction brings arginase to red blood cell membrane. *FEBS Lett* 2006-12-11 [PMID: 17113085]

More publications at <http://www.novusbio.com/NB100-59740>





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Products Related to NB100-59740

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
NBP1-87490PEP	Arginase 1/ARG1/liver Arginase Recombinant Protein Antigen

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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