

Product Datasheet

Arginase 1/ARG1/liver Arginase Antibody - BSA Free NBP1-54621

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-54621

Arginase 1/ARG1/liver Arginase Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS, 2% Sucrose
Target Molecular Weight	35 kDa
Product Description	
Description	The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution.
Host	Rabbit
Gene ID	383
Gene Symbol	ARG1
Species	Human, Mouse
Reactivity Notes	Human reactivity reported in scientific literature (Andreou KE et al).
Immunogen	Synthetic peptides corresponding to ARG1(arginase, liver) The peptide sequence was selected from the N terminal of ARG1 (NP_000036). Peptide sequence HSLAIGSISGHARVHPDLGVIWVDAHTDINTPLTTTSGNLHGQPVSFLLK. The peptide sequence for this immunogen was taken from within the described region.
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1.0 ug/ml, Immunohistochemistry 4-8 ug/ml, Immunohistochemistry-Paraffin 4-8 ug/ml

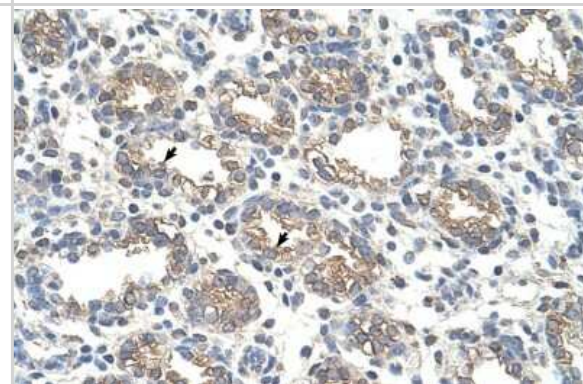


Images

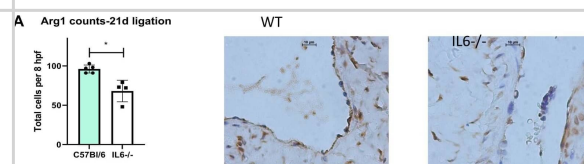
Western Blot: Arginase 1/ARG1/liver Arginase Antibody [NBP1-54621] - Jurkat cell lysate, concentration 5.0ug/ml.



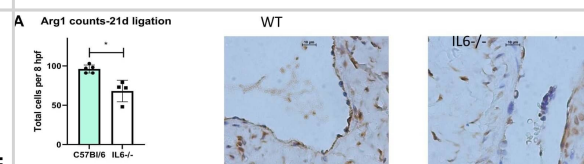
Immunohistochemistry-Paraffin: Arginase 1/ARG1/liver Arginase Antibody [NBP1-54621] - Human Lung Alveolar cells (indicated with arrows), 4-8ug/ml.



Immunohistochemistry: Arginase 1/ARG1/liver Arginase Antibody [NBP1-54621] - Genetic deletion of IL-6 results in less fibrosis and increased remodeling at a chronic time point. A) Anti-Arginase 1/ARG1/liver Arginase immunohistochemistry staining results (n = 4-5; $\square$ P = .0210) and representative slides. The number of Arg1+ cells, a marker for prohealing monocytes and macrophages, was less in the IL-6-/- model. Image collected and cropped by CiteAb from the following publication ([//pubmed.ncbi.nlm.nih.gov/35647566/](https://pubmed.ncbi.nlm.nih.gov/35647566/)) licensed under a CC-BY license.



A, Anti-arginase-1 (Arg1) immunohistochemistry (IHC) staining results (n = 4-5; $\square$ P = .0210) and representative slides. B, Anti-DDR2 IHC staining results with negative antibody controls included. Original magnification $\times 1000$ for all representative images (oil immersion). C, Anti-CD31 IHC staining analysis results. Original magnification $\times 400$ (n = 4-5 for all stains).



Publications

Dowling A, Luke C, Cai Q et al. MODULATION OF IL-6 AND ITS EFFECT ON LATE VEIN WALL INJURY IN A STASIS MOUSE MODEL OF DEEP VEIN THROMBOSIS JVS: Vascular Science 2022-04-01 [PMID: 35647566] (IHC-P, Mouse)

Kimball, A S, Obi, A T Et al. Ly6C^{Lo} Monocyte/Macrophages are Essential for Thrombus Resolution in a Murine Model of Venous Thrombosis. Thromb Haemost 2020-02-01 [PMID: 31887775] (IHC, Human)

Selvaraj UM, Ujas TA, Kong X et al. Delayed diapedesis of CD8 T cells contributes to long-term pathology after ischemic stroke in male mice Brain, behavior, and immunity 2021-05-05 [PMID: 33964435] (IF/IHC, Mouse)

Thurlow LR, Joshi GS, Richardson AR. Peroxisome Proliferator-Activated Receptor γ Is Essential for the Resolution of Staphylococcus aureus Skin Infections. Cell Host Microbe. 2018-07-20 [PMID: 30057172] (Mouse)

Andreou KE, Soto MS, Allen D et al. Anti-inflammatory Microglia/Macrophages As a Potential Therapeutic Target in Brain Metastasis Front Oncol. 2017-10-30 [PMID: 29164051] (IF/IHC, Mouse)

Sugimoto K, Nakazato K, Sato A et al. Autoimmune disease mouse model exhibits pulmonary arterial hypertension PLoS ONE 2017-09-19 [PMID: 28926602] (WB, Mouse)

Andreou KE. Characterising The Role Of Microglia In The Early Stages Of Brain Metastasis Thesis 2016-01-01 (Human)

Gallagher KA, Obi AT, Elfline MA et al. Alterations in macrophage phenotypes in experimental venous thrombosis J Vasc Surg Venous Lymphat Disord 2016-10-01 [PMID: 27639001] (IF/IHC, Mouse)





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Products Related to NBP1-54621

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit 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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