

Product Datasheet

Arginase 1/ARG1/liver Arginase Antibody - BSA Free NBP1-87455

Unit Size: 0.1 ml

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

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NBP1-87455

Arginase 1/ARG1/liver Arginase Antibody - BSA Free

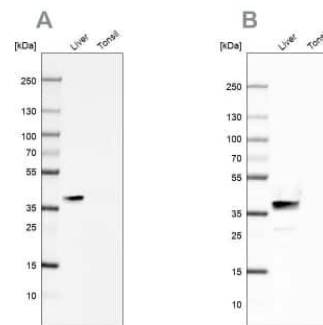
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	383
Gene Symbol	ARG1
Species	Human, Mouse
Reactivity Notes	Reactivity reported in scientific literature (PMID: 23243594), Mouse reactivity reported in the literature (PMID: 25941359)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: GLRDVDPGEHYILKTLGIKYFSMTEVDRLGIGKVMEEETLSYLLGRKKRPIHLSFD VDGLDPSFTPATGTPVVGGLTYREGLYITEEIIYKTGLLSGLDIMEVNPSTLKTPE EVTRTVNTAVAILL

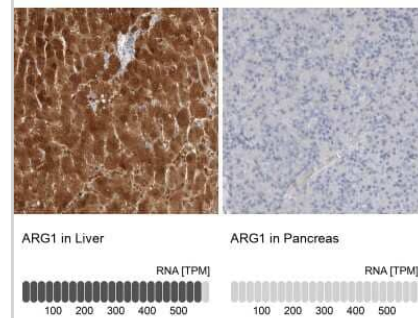
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:2500 - 1:5000, Immunohistochemistry-Paraffin 1:2500 - 1:5000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

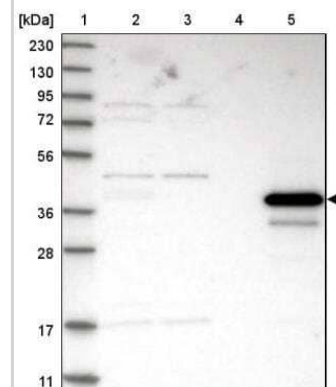
Western Blot: Arginase 1/ARG1/liver Arginase Antibody [NBP1-87455] - Analysis using Anti-ARG1 antibody NBP1-87455 (A) shows similar pattern to independent antibody NBP1-87490 (B).



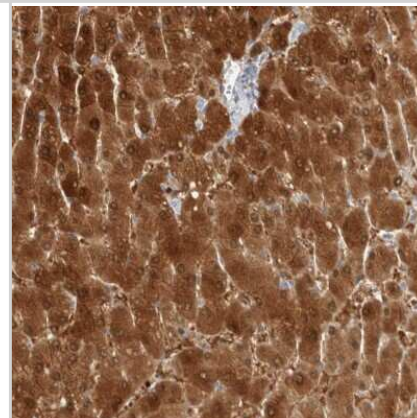
Immunohistochemistry-Paraffin: Arginase 1/ARG1/liver Arginase Antibody [NBP1-87455] - Staining in human liver and pancreas tissues using anti-ARG1 antibody. Corresponding ARG1 RNA-seq data are presented for the same tissues.



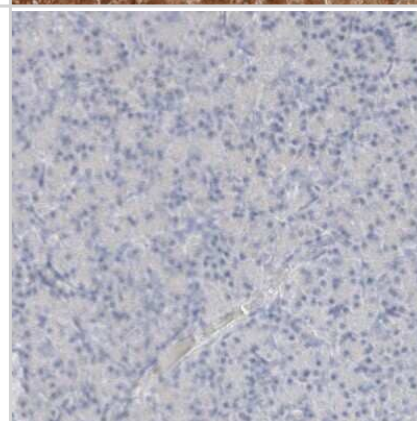
Western Blot: Arginase 1/ARG1/liver Arginase Antibody [NBP1-87455] - Lane 1: Marker [kDa] 230, 130, 95, 72, 56, 36, 28, 17, 11. Lane 2: Human cell line RT-4. Lane 3: Human cell line U-251MG sp. Lane 4: Human plasma (IgG/HSA depleted). Lane 5: Human liver tissue



Immunohistochemistry-Paraffin: Arginase 1/ARG1/liver Arginase Antibody [NBP1-87455] - Staining of human liver shows high expression.



Immunohistochemistry-Paraffin: Arginase 1/ARG1/liver Arginase Antibody [NBP1-87455] - Staining of human pancreas shows low expression as expected.



Publications

Melo JM, Falcão LFM, da Ponte LCT et al. Emergence of New Immunopathogenic Factors in Human Yellow Fever: Polarisation of the M1/M2 Macrophage Response in the Renal Parenchyma Viruses 2022-08-04 [PMID: 36016347] (Immunohistochemistry)

Hashimoto-Kataoka T, Hosen N, Sonobe T et al. Interleukin-6/interleukin-21 signaling axis is critical in the pathogenesis of pulmonary arterial hypertension. Proc Natl Acad Sci U S A 2015-05-19 [PMID: 25941359] (IF/IHC, Mouse)

Geiger T, Velic A, Macek B et al. Initial Quantitative Proteomic Map of 28 Mouse Tissues Using the SILAC Mouse. Mol Cell Proteomics 2013-06-01 [PMID: 23436904]

de Boniface J, Mao Y, Schmidt-Mende J et al. Expression patterns of the immunomodulatory enzyme arginase 1 in blood, lymph nodes and tumor tissue of early-stage breast cancer patients. Oncoimmunology 2012-11-01 [PMID: 23243594]





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Products Related to NBP1-87455

NBP1-87455PEP	Arginase 1/ARG1/liver Arginase Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit 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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