

# Product Datasheet

## Arginase 1/ARG1/liver Arginase Antibody (ARG1/1125 + ARG1/1126) - Azide and BSA Free NBP2-48000-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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**NBP2-48000-0.1mg**

Arginase 1/ARG1/liver Arginase Antibody (ARG1/1125 + ARG1/1126) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	ARG1/1125 + ARG1/1126
Preservative	No Preservative
Isotype	IgG3 Kappa/IgG3 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	36.5 kDa

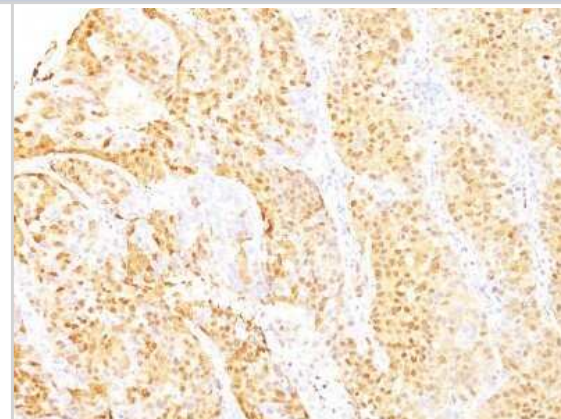
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-44967).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Mouse
Gene ID	383
Gene Symbol	ARG1
Species	Human
Reactivity Notes	Others not known.
Marker	Hepatocellular Carcinoma Marker
Specificity/Sensitivity	Recognizes a protein of 35-38kDa, which is identified as Arginase 1 (ARG1). Arginase is a manganese metallo-enzyme that catalyzes the hydrolysis of arginine to generate ornithine and urea. Arginase I and II are isoenzymes, which differ in subcellular localization, regulation, and possibly function. Arginase I is a cytosolic enzyme, which is expressed mainly in the liver as part of the urea cycle, whereas arginase II is a mitochondrial protein found in a variety of tissues. Antibody to ARG-1 labels hepatocytes in normal tissues and granulocytes in peripheral blood. ARG-1 is a sensitive and specific marker for identification of hepatocellular carcinoma.
Immunogen	Recombinant human Arginase 1/ARG1/liver Arginase protein fragment (around aa11-97) (exact sequence is proprietary) (Uniprot: P05089 )

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin 2 - 4 ug/ml, CyTOF-ready
Application Notes	Immunohistochemistry (Formalin-fixed): 2-4ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

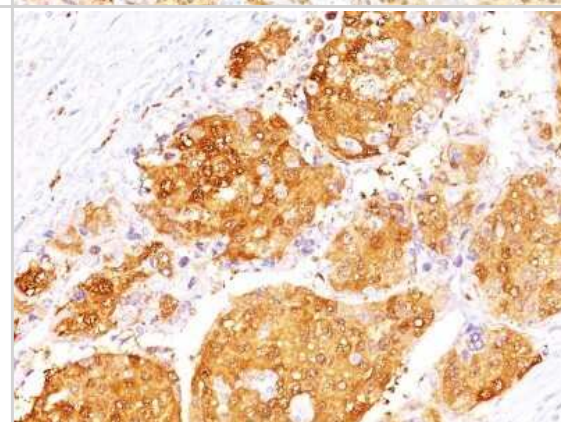


## Images

Immunohistochemistry-Paraffin: Arginase 1/ARG1/liver Arginase Antibody (ARG1/1125 + ARG1/1126) - Azide and BSA Free [NBP2-48000] - Formalin-fixed, paraffin-embedded human Hepatocellular Carcinoma stained with Arginase 1/ARG1/liver Arginase Antibody (ARG1/1125 + ARG1/1126).



Immunohistochemistry-Paraffin: Arginase 1/ARG1/liver Arginase Antibody (ARG1/1125 + ARG1/1126) - Azide and BSA Free [NBP2-48000] - Human Hepatocellular Carcinoma stained with ARG1 Monoclonal Antibody (ARG1/1125 + ARG1/1126).





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### **Products Related to NBP2-48000-0.1mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-87490PEP	Arginase 1/ARG1/liver Arginase Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]

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### **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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