

# Product Datasheet

## Arginase 1/ARG1/liver Arginase Antibody (ARG1/1125 + ARG1/1126) - IHC-Prediluted NBP2-48255

Unit Size: 7 ml

Store at 4C.

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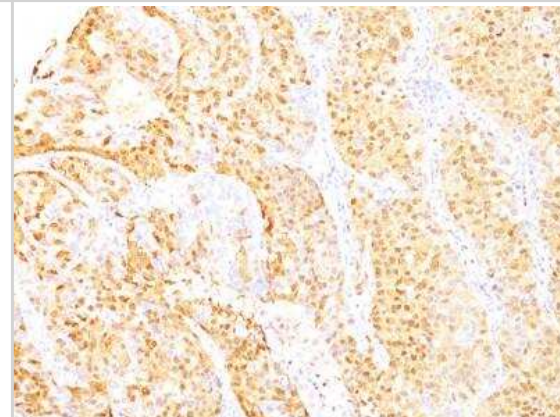


**NBP2-48255****Arginase 1/ARG1/liver Arginase Antibody (ARG1/1125 + ARG1/1126) - IHC-Prediluted**

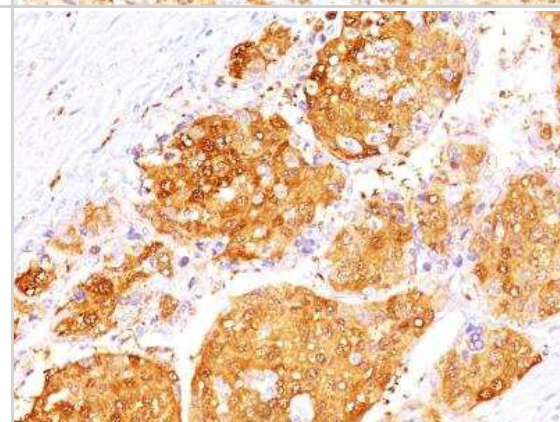
<b>Product Information</b>	
<b>Unit Size</b>	7 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	ARG1/1125 + ARG1/1126
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG3 Kappa/IgG3 Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	10 mM PBS with 0.05% BSA
<b>Target Molecular Weight</b>	36.5 kDa
<b>Product Description</b>	
<b>Description</b>	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.
<b>Host</b>	Mouse
<b>Gene ID</b>	383
<b>Gene Symbol</b>	ARG1
<b>Species</b>	Human
<b>Reactivity Notes</b>	Others not known.
<b>Marker</b>	Hepatocellular Carcinoma Marker
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	Recombinant human Arginase 1/ARG1/liver Arginase protein fragment (around aa11-97) (exact sequence is proprietary) (Uniprot: P05089 )
<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Application Notes</b>	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) - IHC-Prediluted [NBP2-48255] - Formalin-fixed, paraffin-embedded human Hepatocellular Carcinoma stained with ARG1 Mouse Monoclonal Antibody (ARG1/1125 + ARG1/1126).



Immunohistochemistry-Paraffin: Arginase 1/ARG1/liver Arginase Antibody (ARG1/1125 + ARG1/1126) - IHC-Prediluted [NBP2-48255] - Formalin-fixed, paraffin-embedded human Hepatocellular Carcinoma stained with ARG1 Mouse Monoclonal Antibody (ARG1/1125 + ARG1/1126).





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### **Products Related to NBP2-48255**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-87455PEP	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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