Recombinant Arginase 1 (Hepatocellular Carcinoma Marker) Antibody

Rabbit Monoclonal Antibody [Clone ARG1/7514R]

Catalog No	Format	Size
383-RBM14-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
383-RBM14-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
383-RBM14-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

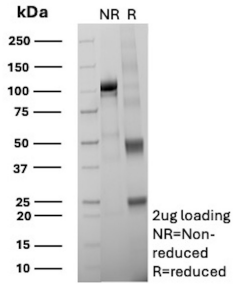
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

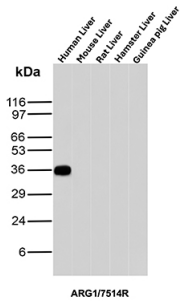
Clone	ARG1/7514R
Gene Name	ARG1
Immunogen	Recombinant human ARG1 protein fragment (aa200-322) (Exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	35-38kDa
Cellular Localization	Cytoplasm.
Species Reactivity	Human
Positive Control	Hepatocellular Carcinoma (HCC). Human Liver

**Optimal dilution for a specific application should be determined.*

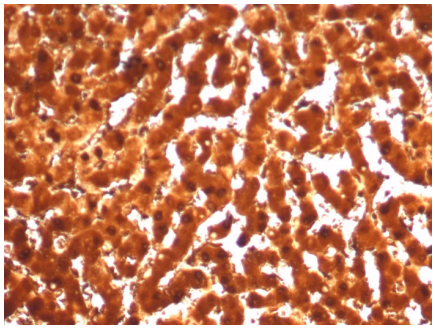
Product Images for Recombinant Arginase 1 (Hepatocellular Carcinoma Marker) Antibody



SDS-PAGE Analysis of Purified -ARG1 Recombinant Rabbit Monoclonal Antibody (ARG1/7514R). Confirmation of Purity and Integrity of Antibody.



Western blot analysis of Human Liver, Mouse Liver, Rat Liver, Hamster Liver and Guinea pig Liver tissue lysates using Arginase-1 Recombinant Rabbit Monoclonal Antibody (ARG1/7514R).



Formalin-fixed, paraffin-embedded human liver stained with Arginase 1 Recombinant Rabbit Monoclonal Antibody (ARG1/7514R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Dendritic Cell Marker, Immunology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.