

Datasheet for ABIN7477377

Recombinant anti-Liver Arginase antibody (AA 300-400)[Go to Product page](#)**3** Images

Overview

Quantity:	1 mL
Target:	Liver Arginase (ARG1)
Binding Specificity:	AA 300-400
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Liver Arginase antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant human ARG1 protein fragment (aa300-400) (Exact sequence is proprietary)
Clone:	MSVA-511R
Isotype:	IgG

Target Details

Target:	Liver Arginase (ARG1)
Alternative Name:	Arginase-1 (ARG1 Products)
Background:	Arginase 1, ARG1, liver-type arginase, type I arginase, Arginase-1 antibody validated for immunohistochemistry on 76 different Normal Tissues

Target Details

UniProt: [P05089](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#)

Application Details

Application Notes: IHC 1:100-1:200

Comment: Positive Control: Liver: A strong staining should be seen in hepatocytes. Spleen: A moderate to strong positivity should be seen in granulocytes.

Negative Control: Colon: Epithelial cells, smooth muscle and the vast majority of stroma cells should stain negative (few granulocytes may stain positive).

Protocol: Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121 °C in pH 7,8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:150 at 37 °C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions.

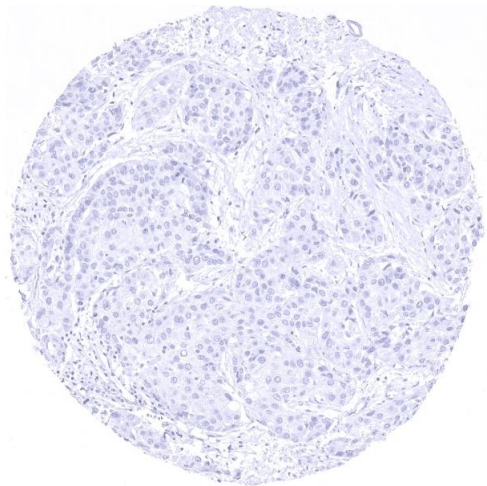
Restrictions: For Research Use only

Handling

Format: Liquid

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: 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.



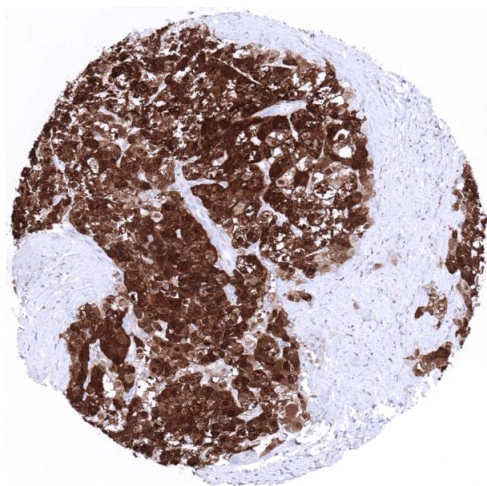
Immunohistochemistry

Image 1. Complete absence of arginase 1 immunostaining in a cholangiocellular carcinoma of the liver



Immunohistochemistry

Image 2. Strong nuclear and cytoplasmic arginase 1 expression in all hepatocytes in a normal liver



Immunohistochemistry

Image 3. Hepatocellular carcinoma showing strong nuclear and cytoplasmic arginase 1 positivity in all tumor cells