

Product datasheet

anti-Arginase-1 mouse monoclonal, IHC400, purified

Short overview

Cat. No.	691751
Quantity	1 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2b
Clone	IHC400
Immunogen	Recombinant Human Arginase-1
Formulation	Tris pH 7.3-7.7 with 1% BSA and 0.09% sodium azide
UniprotID	P05089 (Human)
Synonym	Arginase-1, EC 3.5.3.1, Liver-type arginase, Type I arginase, ARG1
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	IHC
Reactivity	Human

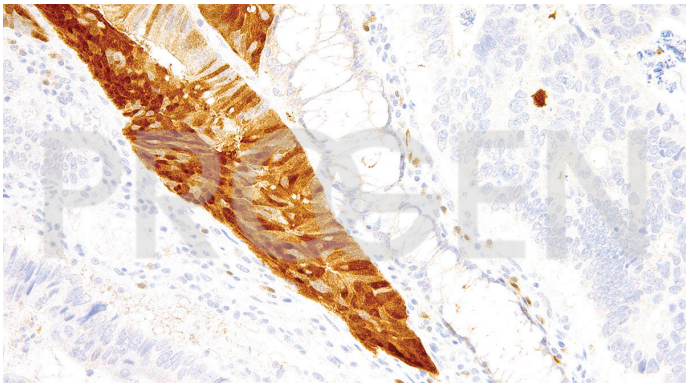
Applications

Immunohistochemistry (IHC) - paraffin	1:50-1:200 (microwave treatment recommended)
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Background

Arginase-1, encoded by the ARG1 gene, is a cytosolic metalloenzyme expressed predominantly in hepatocytes. Arginase-1 plays a key role in the urea cycle by catalyzing the hydrolysis of arginine to ornithine and urea. Argininemia is an inherited autosomal recessive disorder characterized by a buildup of arginine and ammonia in the blood. Anti-Arginase-1 is highly specific for hepatocytes, and is therefore a sensitive and specific marker of benign and malignant hepatic tumours.

Product images



Colon