ARG66525
anti-Arginase 1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Arginase 1
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b, kappa
Target Name	Arginase 1
Species	Human
Immunogen	Synthetic peptide derived from Human Arginase 1.
Conjugation	Un-conjugated
Alternate Names	EC 3.5.3.1; Type I arginase; Arginase-1; Liver-type arginase

Application Instructions

Application table

Application	Dilution
IHC-P	1:100 - 1:500

Application Note: IHC-P: Antigen Retrieval: EDTA buffer (pH 8.0) was used.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

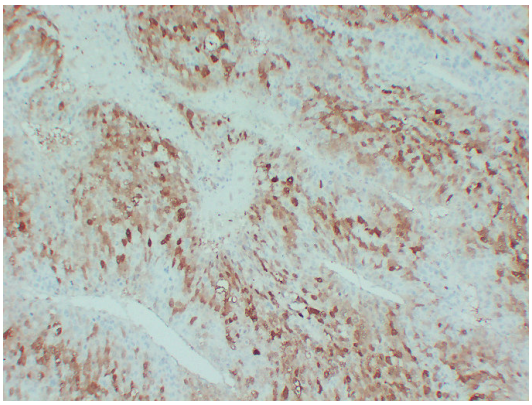
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ARG1
Gene Full Name	arginase 1
Background	Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exist (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. The type I isoform encoded by this gene, is a cytosolic enzyme and expressed predominantly in the liver as a component of the urea cycle. Inherited deficiency of this enzyme results in argininemia, an autosomal recessive disorder characterized by hyperammonemia. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
Calculated Mw	35 kDa
Cellular Localization	Cytoplasm. Cytoplasmic granule. Note=Localized in azurophil granules of neutrophils (PubMed:15546957). [UniProt]

Images



ARG66525 anti-Arginase 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human hepatocellular carcinoma stained with ARG66525 anti-Arginase 1 antibody at 1:200 (4°C, overnight). Antigen Retrieval: EDTA buffer (pH 8.0) was used.