Product Datasheet

Liver Arginase Antibody

Catalog No: CY5068 Reactivity: Human

Isotype: Rabbit IgG Applications: WB IHC ICC/IF IP

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Information

UniProt ID: P05089
All Names: ARG1; Type I arginase; Arginase-1; Liver-type arginase
Form: Liquid

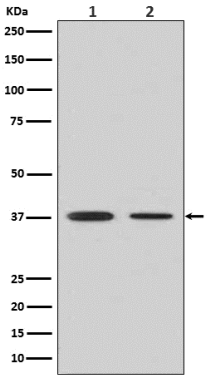
Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity: Affinity-chromatography
Immunogen: A synthesized peptide
Molecular Wt.: 35 kDa

Application

WB: 1:500~1:2000
IHC: 1:50~1:200
ICC/IF: 1:50~1:200

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.



Western blot analysis of Liver Arginase in (1) Human fetal liver lysate; (2) Human fetal lung lysate.

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