

# Arginase I Polyclonal Antibody

### Description

Product type	Primary Antibody
Code	BT-AP00590
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human ARG1. AA range:61-110
Mol wt	34735
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	l mg/ml
Full name	Arginase I Antibody
Synonyms	ARG1; Arginase-1; Liver-type arginase; Type I arginase
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This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

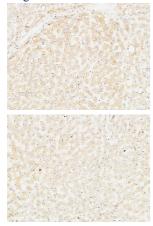
## Background

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 ARG1, 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.

#### **Recommended Dilution**

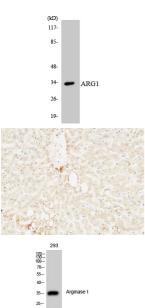
WB: 1: 500 - 1: 2000 ELISA: 1: 5000 IHC-p: 100 - 300 Not yet tested in other applications.

#### Images



Immunohistochemical analysis of paraffin-embedded Human liver. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

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Western blot analysis of the lysates from HT-29 cells using ARG1 antibody.

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Western Blot analysis of 293 cells using Arginase I Polyclonal Antibody

## Storage

-20°C for one year

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