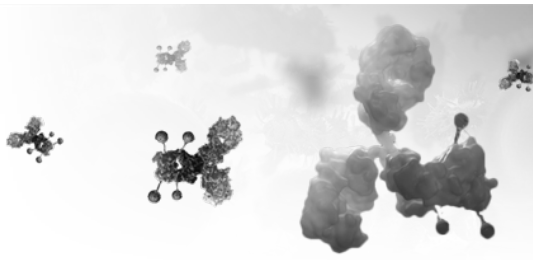

Anti-ARG1 polyclonal antibody (DPABY-737)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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. [provided by RefSeq]
Immunogen	CFGLAREGNHKPID
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Conjugate	Unconjugated
Applications	ELISA Pr*, WB
Format	Liquid
Concentration	0.5 mg/ml
Size	100 µg
Buffer	Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Preservative	0.02% Sodium Azide
Storage	Aliquot and store at -23°C. Minimize freezing and thawing.

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GENE INFORMATION

Gene Name	ARG1 arginase 1 [Homo sapiens (human)]
Official Symbol	ARG1
Synonyms	ARG1; arginase 1; arginase-1; arginase, liver; type I arginase; liver-type arginase;
Entrez Gene ID	383
Protein Refseq	NP_000036
UniProt ID	P05089
Chromosome Location	6q23
Pathway	ATF-2 transcription factor network; Amoebiasis; Arginine and proline metabolism; Biosynthesis of amino acids; IL4-mediated signaling events; Metabolism; Metabolism of amino acids and derivatives; Polyamine biosynthesis, arginine => ornithine => putrescine
Function	arginase activity; manganese ion binding;

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