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Product datasheet for TA303209

Arginase 1 (ARG1) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, PEP-ELISA, WB
Recommended Dilution:	ELISA: 1:2,000. WB: 0.03-0.1µg/ml.
Reactivity:	Human, Mouse (Expected from sequence similarity: Dog)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-REGNHKPIDYLNPPK, from the C Terminus of the protein sequence according to NP_000036.2.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	arginase 1
Database Link:	NP_000036 Entrez Gene 11846 MouseEntrez Gene 474823 DogEntrez Gene 383 Human P05089

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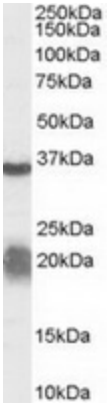
Background: Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exist (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. The type I isoform encoded by 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. [provided by RefSeq]

Synonyms: arginase; arginase 1; liver; liver-type arginase; OTTHUMP00000017209; type I arginase

Protein Families: Druggable Genome

Protein Pathways: Arginine and proline metabolism, Metabolic pathways

Product images:



TA303209 (0.03ug/ml) staining of Human Liver lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.