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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB06795 - Goat Anti-Arginase I Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ARG1, arginase, liver, HGNC:663, A-I, arginase, type I, arginase 1, liver-type arginase, type I arginase

Official Symbol: ARG1

Accession Number(s): NP_000036.2

Human GeneID(s): [383](#)

Non-Human GeneID(s): 11846 (mouse), 29221 (rat)

Immunogen

Peptide with sequence CFGLAREGNHKPID, from the C Terminus of the protein sequence according to NP_000036.2.

Please note the [peptide](#) is available for sale.

Purification and Storage

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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:64000.

Western blot: Approx. 37kDa band observed in Human, Mouse, Rat and Pig Liver lysates (calculated MW of 34.7kDa according to NP_000036.2). The observed molecular weight corresponds to earlier findings with different antibodies from other commercial sources. Recommended concentration: 0.01-0.03µg/ml. Primary incubation was 1 hour.

IHC: In paraffin embedded Human Kidney shows preferential staining of PCT.

Recommended concentration: 2-4µg/ml. Paraffin embedded Human Liver. Recommended concentration: 3.75µg/ml.

Species Reactivity

Tested: Human, Mouse, Rat, Pig

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow

EB06795 (0.01µg/ml) staining of Human Liver lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06795 (0.03µg/ml) staining of Pig (A), Mouse (B) and Rat (C) Liver lysates (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06795 (4µg/ml) staining of paraffin embedded Human Kidney. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.

EB06795 (3.75µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.