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EB07707 - Goat Anti-Arginase, type 1 / arg1(rat) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: Arg1, arginase 1, AI type I arginase, arginase 1 liver Official Symbol: Arg1 Accession Number(s): NP_058830.2 Non-Human GeneID(s): 11846 (mouse), 29221 (rat)

Immunogen

Peptide with sequence C-NHKPETDYLKPPK, from the C Terminus of the protein sequence according to NP_058830.2.

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 Mouse and Rat Liver lysates (calculated MW of 35kDa according to Rat NP_058830.2 and 34.8kDa according to Mouse NP_031508.1). Recommended concentration: 0.003-0.01µg/ml. Primary incubation 1 hour at room temperature.

Species Reactivity

Tested: Mouse, Rat Expected from sequence similarity: Mouse, Rat

Specific References

This antibody (previous batch) has been successfully used in the following paper: Sherman H, Gutman R, Chapnik N, Meylan J, le Coutre J, Froy O. All-trans retinoic acid modifies the expression of clock and disease marker genes. J Nutr Biochem. 2011 Apr 14. PMID: 21497500

This antibody (previous batch) has been successfully used in the following paper: Sherman H, Gutman R, Chapnik N, Meylan J, le Coutre J, Froy O. Caffeine alters circadian rhythms and expression of disease and metabolic markers. Int J Biochem Cell Biol. 2011 May;43(5):829-38. PMID: 21352949





EB07707 (0.003µg/ml) staining of Mouse (A) and Rat (B) Liver lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.