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

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 1:1000.

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: 1-3µg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HepG2 cells. Recommended concentration: 10µg/ml.

Species Reactivity

Tested: Human, 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.

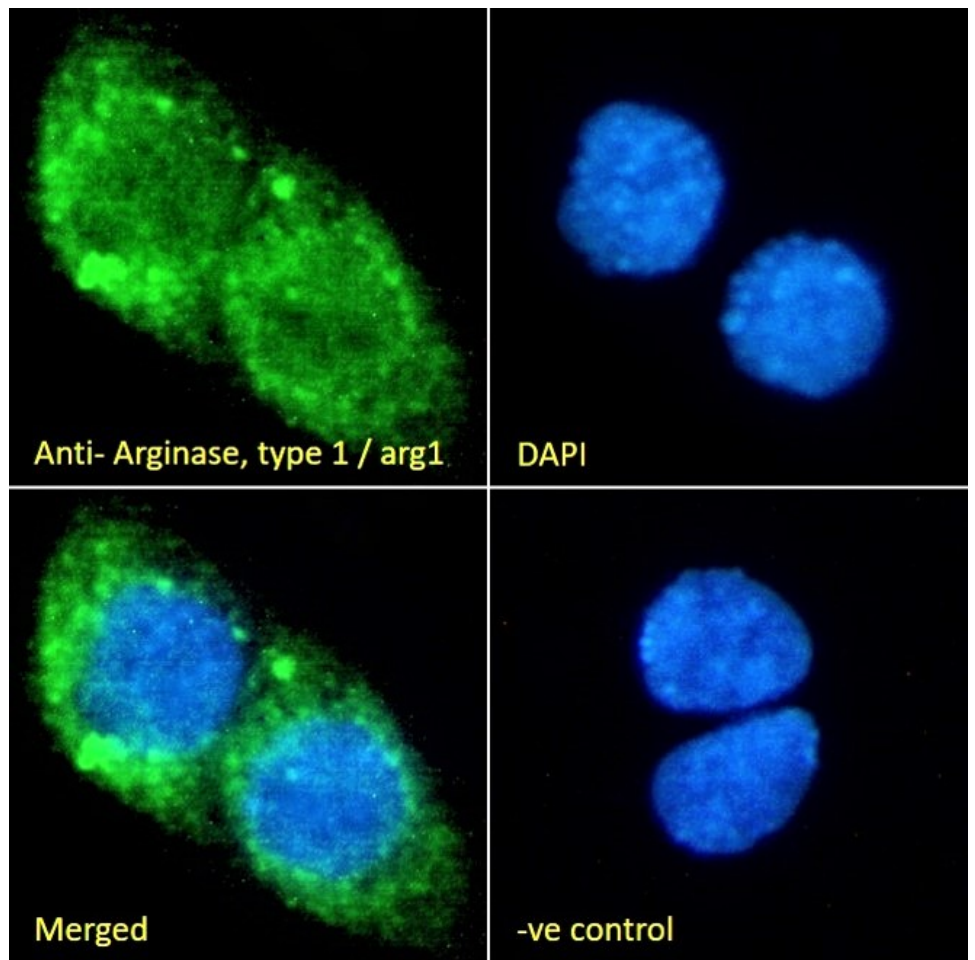
Caffeine alters circadian rhythms and expression of disease and metabolic markers.

Int J Biochem Cell Biol. 2011 May;43(5):829-38.

PMID: 21352949



EB07707 (1 μ g/ml) staining of Mouse (A) and (2 μ g/ml) Rat (B) Liver lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



EB07707 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). EB07707 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).