Datasheet for ABIN190828

anti-Liver Arginase antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	Liver Arginase (ARG1)
Binding Specificity:	C-Term
Reactivity:	Rat, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Liver Arginase antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Arginase, type 1 / arg1(rat)
Immunogen:	C-NHKPETDYLKPPK
Sequence:	NHKPETDYLK PPK
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	Liver Arginase (ARG1)
Alternative Name:	Arg1 (ARG1 Products)
Background:	Arg1, arginase 1, AI type I arginase, arginase 1 liver
Gene ID:	11846, 29221
NCBI Accession:	NP_058830
Pathways:	Cellular Response to Molecule of Bacterial Origin

Application Details

Application Notes:	Western Blot: Approx. 37 kDa band observed in Mouse and Rat Liver lysates (calculated MW of 35 kDa according to Rat NP_058830.2 and 34.8 kDa according to Mouse NP_031508.1). Recommended concentration: 0.003-0.01 µg/mL. Primary incubation 1 hour at room tempe Peptide ELISA: antibody detection limit dilution 1:64000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Publications

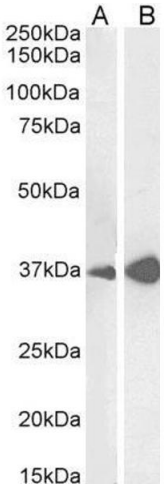
Product cited in:	Sherman, Gutman, Chapnik, Meylan, le Coutre, Froy: "All-trans retinoic acid modifies the expression of clock and disease marker genes." in: **The Journal of nutritional biochemistry**,

Publications

Vol. 23, Issue 3, pp. 209-17, (2012) (PubMed).

Sherman, Gutman, Chapnik, Meylan, le Coutre, Froy: "Caffeine alters circadian rhythms and expression of disease and metabolic markers." in: **The international journal of biochemistry & cell biology**, Vol. 43, Issue 5, pp. 829-38, (2011) (PubMed).

Images



Western Blotting

Image 1. ABIN190828 (0.03µg/ml) staining of Mouse Liver (A) and Rat Liver (B) lysates (35µg protein in RIPA buffer). Detected by chemiluminescence.

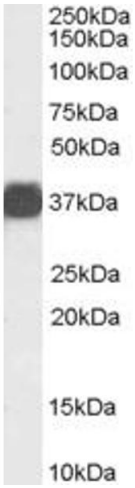
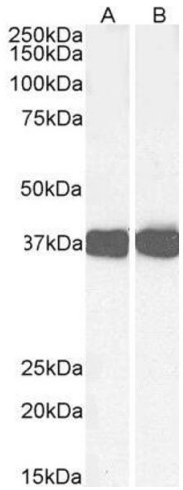


Image 2. ABIN190828 (0.03µg/ml) staining of Rat Liver lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Western Blotting

Image 3. ABIN190828 (0.05µg/ml) staining of Mouse Liver (A) and Rat Liver (B) lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.