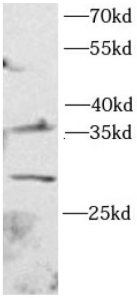
Arginase 1 (ARG1) Antibody

Catalogue No.:abx146617



WB analysis of HepG2 cells, using ARG1 antibody (1/1000 dilution).

Arginase 1 (ARG1) Antibody is a Rabbit Polyclonal antibody for the detection of ARG1.

Arginase-1 (Liver arginase) belongs to the arginase family. ARG1 is a novel immunohistochemical□marker□of hepatocellular differentiation in fine needle aspiration cytology and a marker□of hepatocytes and hepatocellular neoplasms. ARG1 is closely associated with alternative macrophage activation (PMID:12098359) and ARG1 has been shown to protectmotor neurons from trophic factor deprivation and allow sensory neurons to overcome neurite outgrowth inhibition by myelin proteins (PMID: 20071539).It can exsit as a homotrimer (PMID:16141327) and it has 3 isoforms produced by alternative splicing.Defects in ARG1 are the cause of argininemia (ARGIN). Deletion or TNF-mediated restriction of ARG1 unleashes the production of NO by NOS2, which is critical for pathogen control. (PMID:27117406).

Target:	Arginase 1 (ARG1)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	ELISA, WB, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000, IF/ICC: 1/20 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	arginase, liver
Isotype:	IgG
Form:	Liquid
Purity:	≥ 95% (SDS-PAGE)

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Purification:	Purified by immunogen affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
Validity:	12 months.
UniProt Primary AC:	P05089 (UniProt, ExPASy)
Gene Symbol:	ARG1
GeneID:	383
OMIM:	207800
NCBI Accession:	NP_000036.2
HGNC:	663
Ensembl:	ENSG00000118520
Molecular Weight:	Observed MW: 25-40 kDa
Buffer:	PBS, pH 7.3, with 0.02% sodium azide and 50% glycerol.
Concentration:	2 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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