ARG64816
anti-Arginase 1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Arginase 1
Tested Reactivity	Hu, Ms, Rat, Pig
Predict Reactivity	Cow, Dog
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Arginase 1
Species	Human
Immunogen	CFGLAREGNHKPID
Conjugation	Un-conjugated
Alternate Names	EC 3.5.3.1; Type I arginase; Arginase-1; Liver-type arginase

Application Instructions

Application table

Application	Dilution
IHC-P	2 - 4 µg/ml
WB	0.01 - 0.03 µg/ml

Application Note: IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: 37 kDa

Properties

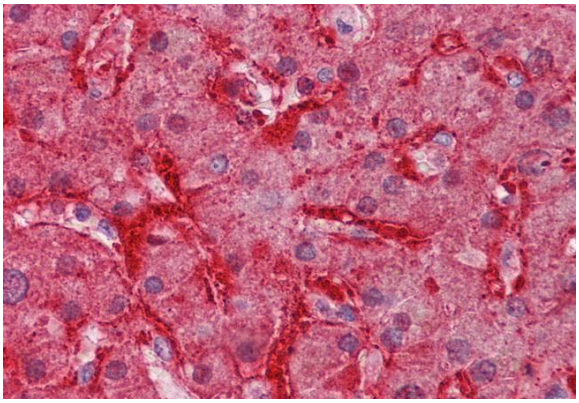
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

	before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

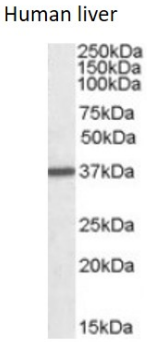
Background	Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exist (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. The type I isoform encoded by this gene, is a cytosolic enzyme and expressed predominantly in the liver as a component of the urea cycle. Inherited deficiency of this enzyme results in argininemia, an autosomal recessive disorder characterized by hyperammonemia. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
Research Area	Metabolism antibody; Signaling Transduction antibody
Calculated Mw	35 kDa

Images



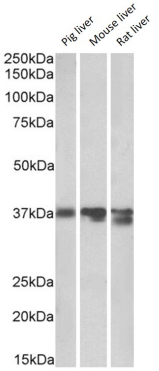
ARG64816 anti-Arginase 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver stained with ARG64816 anti-Arginase 1 antibody at 3.75 µg/ml dilution. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).



ARG64816 anti-Arginase 1 antibody WB image

Western blot: 35 µg of Human liver lysate (in RIPA buffer) stained with ARG64816 anti-Arginase 1 antibody at 0.01 µg/ml dilution and incubated at RT for 1 hour.



ARG64816 anti-Arginase 1 antibody WB image

Western blot: 35 µg of Pig liver, Mouse liver and Rat liver lysates (in RIPA buffer) stained with ARG64816 anti-Arginase 1 antibody at 0.03 µg/ml dilution and incubated at RT for 1 hour.