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Rat Arg1 Antibody(C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19587b

Product Information

Application	WB, E
Primary Accession	P07824
Other Accession	NP_058830.2
Reactivity	Rat
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38664
Calculated MW	34973
Antigen Region	292-318

Additional Information

Gene ID	29221
Other Names	Arginase-1, Liver-type arginase, Type I arginase, Arg1
Target/Specificity	This Rat Arg1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 292-318 amino acids from the C-terminal region of rat Arg1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Rat Arg1 Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Arg1
Function	Catalyzes the final step of the urea cycle by hydrolyzing L- arginine into urea, a nitrogenous waste product, and L-ornithine, a precursor to proline and polyamines; the urea cycle occurs primarily in the liver and, to a lesser

	extent, in the kidneys.
Cellular Location	Cytoplasm, cytosol {ECO:0000250|UniProtKB:P05089}. Cytoplasmic granule {ECO:0000250|UniProtKB:P05089}. Note=Localized in azurophil granules of neutrophils. {ECO:0000250|UniProtKB:P05089}
Tissue Location	Detected in liver (at protein level).

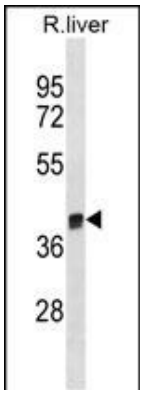
Background

catalyzes the hydrolysis of arginine to ornithine and urea in arginine metabolism; regulates nitric oxide production [RGD].

References

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Images



Rat Arg1 Antibody (C-term) (Cat. #AP19587b) western blot analysis in rat liver tissue lysates (35ug/lane).This demonstrates the Rat Arg1 antibody detected the Rat Arg1 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.