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Rat Arg1 Antibody(C-term) Blocking peptide

Synthetic peptide
Catalog # BP19587b

Specification

Rat Arg1 Antibody(C-term) Blocking peptide - Product Information

Primary Accession P07824

Rat Arg1 Antibody(C-term) Blocking peptide - Additional Information

Gene ID 29221

Other Names
Arginase-1, Liver-type arginase, Type I arginase, Arg1

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Rat Arg1 Antibody(C-term) Blocking peptide - Protein Information

Name Arg1

Function
Key element of the urea cycle converting L-arginine to urea and L-ornithine, which is further metabolized into metabolites proline and polyamides that drive collagen synthesis and bioenergetic pathways critical for cell proliferation, respectively; the urea cycle takes place primarily in the liver and, to a lesser extent, in the kidneys.

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:P05089}. Cytoplasmic granule {ECO:0000250|UniProtKB:P05089}

Tissue Location
Detected in liver (at protein level).

Rat Arg1 Antibody(C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

Rat Arg1 Antibody(C-term) Blocking peptide - Images

Rat Arg1 Antibody(C-term) Blocking peptide - Background

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

Rat Arg1 Antibody(C-term) Blocking peptide - References

Warnken, M., et al. Naunyn Schmiedebergs Arch. Pharmacol. 381(4):297-304(2010)Zhu, W., et al. Am. J. Physiol., Cell Physiol. 298 (4), C952-C960 (2010) :Bagnost, T., et al. Hypertens. Res. 32(12):1130-1135(2009)Kim, J.H., et al. J. Appl. Physiol. 107(4):1249-1257(2009)Deng, K., et al. J. Neurosci. 29(30):9545-9552(2009)