

ATPGD1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP10580a**Specification**

ATPGD1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [A5YM72](#)
Other Accession [NP_065862.1](#), [NP_001159694.1](#)

ATPGD1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 57571

Other Names

Carnosine synthase 1, ATP-grasp domain-containing protein 1, CARNS1, ATPGD1, KIAA1394

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.

ATPGD1 Antibody (N-term) Blocking Peptide - Protein Information

Name CARNS1 ([HGNC:29268](#))

Synonyms ATPGD1, KIAA1394

Function

Catalyzes the synthesis of carnosine and homocarnosine. Carnosine is synthesized more efficiently than homocarnosine.

ATPGD1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ATPGD1 Antibody (N-term) Blocking Peptide - Images**ATPGD1 Antibody (N-term) Blocking Peptide - Background**

CARNS1 (EC 6.3.2.11), a member of the ATP-grasp family of ATPases, catalyzes the formation of

carnosine(beta-alanyl-L-histidine) and homocarnosine(gamma-aminobutyryl-L-histidine), which are found mainly in skeletal muscle and the central nervous system, respectively(Drozak et al., 2010 [PubMed 20097752]).

ATPGD1 Antibody (N-term) Blocking Peptide - References

Drozak, J., et al. J. Biol. Chem. 285(13):9346-9356(2010)