

PAICS Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12945a**Specification**

PAICS Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [P22234](#)**PAICS Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 10606**Other Names**

Multifunctional protein ADE2, Phosphoribosylaminoimidazole-succinocarboxamide synthase, SAICAR synthetase, Phosphoribosylaminoimidazole carboxylase, AIR carboxylase, AIRC, PAICS, ADE2, AIRC, PAIS

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.

PAICS Antibody (N-term) Blocking peptide - Protein Information**Name** PAICS ([HGNC:8587](#))**Function**

Bifunctional phosphoribosylaminoimidazole carboxylase and phosphoribosylaminoimidazole succinocarboxamide synthetase catalyzing two reactions of the de novo purine biosynthetic pathway.

PAICS Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

PAICS Antibody (N-term) Blocking peptide - Images**PAICS Antibody (N-term) Blocking peptide - Background**

This gene encodes a bifunctional enzyme containing phosphoribosylaminoimidazole carboxylase

activity in its N-terminal region and phosphoribosylaminoimidazole succinocarboxamide synthetase in its C-terminal region. It catalyzes steps 6 and 7 of purine biosynthesis. The gene is closely linked and divergently transcribed with a locus that encodes an enzyme in the same pathway, and transcription of the two genes is coordinately regulated. The human genome contains several pseudogenes of this gene. Multiple transcript variants encoding different isoforms have been found for this gene.

PAICS Antibody (N-term) Blocking peptide - References

Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010) Ikeda, M., et al. Biol. Psychiatry 67(3):263-269(2010) Venkatesan, K., et al. Nat. Methods 6(1):83-90(2009) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :