

RPIA Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17602c**Specification**

RPIA Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P49247](#)**RPIA Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 22934**Other Names**

Ribose-5-phosphate isomerase, Phosphoriboisomerase, RPIA, RPI

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.

RPIA Antibody (Center) Blocking Peptide - Protein Information**Name** RPIA ([HGNC:10297](#))**Synonyms** RPI**Function**

Catalyzes the reversible conversion of ribose-5-phosphate to ribulose 5-phosphate and participates in the first step of the non-oxidative branch of the pentose phosphate pathway.

RPIA Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RPIA Antibody (Center) Blocking Peptide - Images**RPIA Antibody (Center) Blocking Peptide - Background**

The protein encoded by this gene is an enzyme, which catalyzes the reversible conversion between ribose-5-phosphate and ribulose-5-phosphate in the pentose-phosphate pathway. This gene is highly

conserved in most organisms. The enzyme plays an essential role in the carbohydrate metabolism. Mutations in this gene cause ribose 5-phosphate isomerase deficiency. A pseudogene is found on chromosome 18.

RPIA Antibody (Center) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Berry, G.T. J. Inherit. Metab. Dis. 31 (6), 661 (2008) :Wamelink, M.M., et al. J. Inherit. Metab. Dis. 31(6):703-717(2008)