

RPIA Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17602c**Specification**

RPIA Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P49247
Other Accession	A2TLM1 , P47968 , Q3T186 , NP_653164.2
Reactivity	Human
Predicted	Bovine, Mouse, Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	181-207

RPIA Antibody (Center) - Additional Information**Gene ID** 22934**Other Names**

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

Target/Specificity

This RPIA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 181-207 amino acids from the Central region of human RPIA.

Dilution

WB~~1:1000

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

RPIA Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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

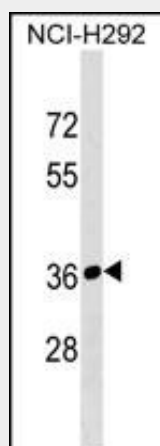
Function Catalyzes the reversible conversion of ribose-5-phosphate to ribulose 5-phosphate and participates in the first step of the non- oxidative branch of the pentose phosphate pathway.

RPIA Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RPIA Antibody (Center) - Images



RPIA Antibody (Center) (Cat. #AP17602c) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the RPIA antibody detected the RPIA protein (arrow).

RPIA Antibody (Center) - 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) - 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) :
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