

A8867

Leader in Biomolecular Solutions for Life Science



## RPIA Rabbit pAb

Catalog No.: A8867

### Basic Information

#### Observed MW

33kDa

#### Calculated MW

33kDa

#### Category

Polyclonal Antibody

#### Applications

WB, IHC-P, ELISA

#### Cross-Reactivity

Human, Mouse, Rat

### 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.

### Recommended Dilutions

WB	1:200 - 1:1000
IHC-P	1:50 - 1:200

### Immunogen Information

#### Gene ID

22934

#### Swiss Prot

P49247

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 82-311 of human RPIA (NP\_653164.2).

#### Synonyms

RPI; RPIAD; RPIA

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

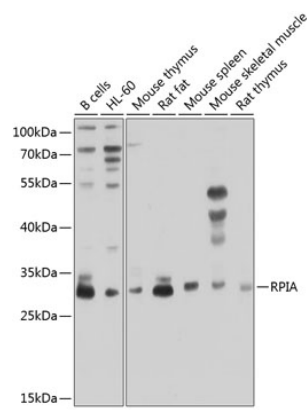
Affinity purification

#### Storage

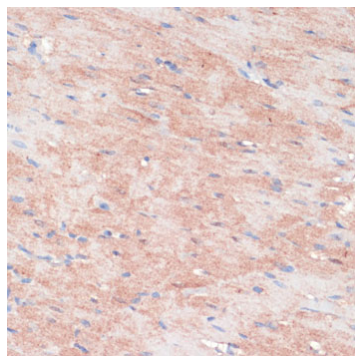
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

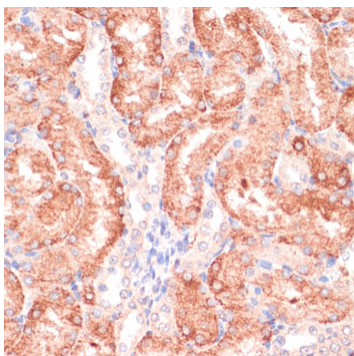
# Validation Data



Western blot analysis of various lysates using RPIA Rabbit pAb (A8867) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 30s.



Immunohistochemistry analysis of RPIA in paraffin-embedded rat heart using RPIA Rabbit pAb (A8867) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of RPIA in paraffin-embedded rat kidney using RPIA Rabbit pAb (A8867) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.