

TPRKB Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56590**Specification**

TPRKB Polyclonal Antibody - Product Information

Application	IHC-P
Primary Accession	O9Y3C4
Reactivity	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19661

TPRKB Polyclonal Antibody - Additional Information**Gene ID** 51002**Other Names**

EKC/KEOPS complex subunit TPRKB, PRPK-binding protein, TP53RK-binding protein, TPRKB ([HGNC:24259](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=24259))

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glycerol

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

TPRKB Polyclonal Antibody - Protein Information**Name** TPRKB ([HGNC:24259](#))**Function**

Component of the EKC/KEOPS complex that is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in tRNAs that read codons beginning with adenine (PubMed:[22912744](http://www.uniprot.org/citations/22912744), PubMed:[28805828](http://www.uniprot.org/citations/28805828)). The complex is probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37 (PubMed:[22912744](http://www.uniprot.org/citations/22912744), PubMed:[28805828](http://www.uniprot.org/citations/28805828)). TPRKB acts as an allosteric effector that regulates the t(6)A activity of the complex. TPRKB is not required for tRNA modification (PubMed:[22912744](http://www.uniprot.org/citations/22912744), PubMed:[28805828](http://www.uniprot.org/citations/28805828)).

Cellular Location

Cytoplasm, cytosol. Nucleus

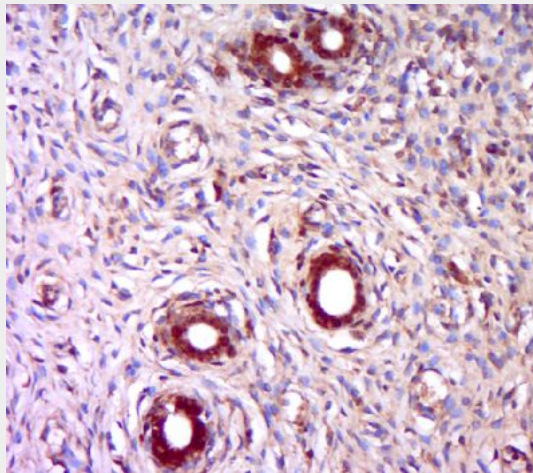
Tissue Location

Widely expressed..

TPRKB Polyclonal Antibody - 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](#)

TPRKB Polyclonal Antibody - Images

Paraformaldehyde-fixed, paraffin embedded (rat uterus tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TPRKB) Polyclonal Antibody, Unconjugated (bs-17175R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.