

TPRKB antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI14008**Specification**

TPRKB antibody - middle region - Product Information

Application	WB
Primary Accession	O9Y3C4
Other Accession	NM_016058 , NP_057142
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Yeast, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Pig, Chicken, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20kDa kDa

TPRKB antibody - middle region - Additional Information**Gene ID** 51002**Alias Symbol** CGI-121**Other Names**

EKC/KEOPS complex subunit TPRKB, PRPK-binding protein, TP53RK-binding protein, TPRKB

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-TPRKB antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

TPRKB antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

TPRKB antibody - middle region - 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)).

href="http://www.uniprot.org/citations/28805828" target="_blank">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, PubMed:28805828).

Cellular Location

Cytoplasm, cytosol. Nucleus

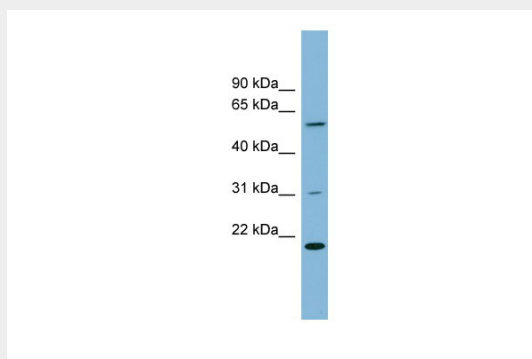
Tissue Location

Widely expressed..

TPRKB antibody - middle region - 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 antibody - middle region - Images

WB Suggested Anti-TPRKB Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: THP-1 cell lysate

TPRKB antibody - middle region - References

Miyoshi A.,et al.Biochem. Biophys. Res. Commun. 303:399-405(2003).
Mao Y.M.,et al.Submitted (APR-1998) to the EMBL/GenBank/DDBJ databases.
Lai C.-H.,et al.Genome Res. 10:703-713(2000).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Oppermann F.S.,et al.Mol. Cell. Proteomics 8:1751-1764(2009).