10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TPRKB antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI14008

Product Information

Application	WB
Primary Accession	Q9Y3C4
Other Accession	NM_016058, NP_057142
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine, Yeast
Predicted	Human, Mouse, Rat, Zebrafish, Pig, Chicken, Dog, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19661

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.

Protein Information

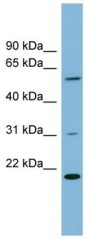
Name	TPRKB (HGNC:24259)
Function	Component of the EKC/KEOPS complex that is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in tRNAs that read codons beginning with adenine (PubMed:22912744, PubMed:28805828). The complex is probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37 (PubMed:22912744, PubMed: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..

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).

Images



WB Suggested Anti-TPRKB Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: THP-1 cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.