

**Mouse Tp53rk Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14294c**

**Specification**

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**Mouse Tp53rk Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O99PW4</a>
Other Accession	<a href="#">NP_076304.2</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	27394
Antigen Region	100-128

**Mouse Tp53rk Antibody (Center) - Additional Information**

**Other Names**

TP53-regulating kinase, Atypical serine/threonine protein kinase Tp53rk, EKC/KEOPS complex subunit Tp53rk, 36--, Nori-2, p53-related protein kinase, Tp53rk, Prpk, Trp53rk

**Target/Specificity**

This Mouse Tp53rk antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 100-128 amino acids from the Central region of mouse Tp53rk.

**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**

Mouse Tp53rk Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**Mouse Tp53rk Antibody (Center) - Protein Information**

**Name** Tp53rkb {ECO:0000305}

**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. The complex is probably involved in the transfer of the threonylcarbamoyl

moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37. TP53RK has ATPase activity in the context of the EKC/KEOPS complex and likely plays a supporting role to the catalytic subunit OSGEP (By similarity). Atypical protein kinase that phosphorylates 'Ser-15' of p53/TP53 protein and may therefore participate in its activation (By similarity).

#### Cellular Location

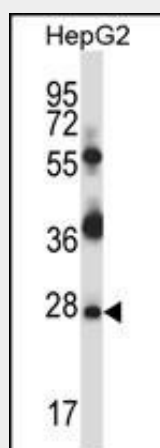
Nucleus {ECO:0000250|UniProtKB:Q96S44}.

#### Mouse Tp53rk Antibody (Center) - Protocols

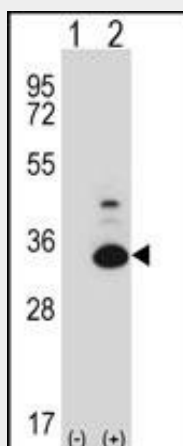
Provided below are standard protocols that you may find useful for product applications.

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

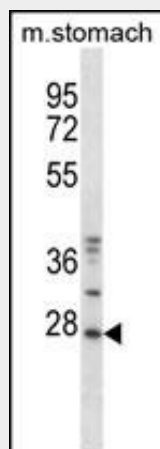
#### Mouse Tp53rk Antibody (Center) - Images



Mouse Tp53rk Antibody (Center) (Cat. #AP14294c) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the Tp53rk antibody detected the Tp53rk protein (arrow).



Western blot analysis of Tp53rk (arrow) using rabbit polyclonal Mouse Tp53rk Antibody (Center) (Cat. #AP14294c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the Tp53rk gene.



Mouse Tp53rk Antibody (Center) (Cat. #AP14294c) western blot analysis in mouse stomach tissue lysates (35ug/lane). This demonstrates the Tp53rk antibody detected the Tp53rk protein (arrow).

#### **Mouse Tp53rk Antibody (Center) - Background**

Tp53rk is a protein kinase that phosphorylates 'Ser-15' of p53/TP53 protein and may therefore participate in its activation (By similarity).

#### **Mouse Tp53rk Antibody (Center) - References**

Blackshaw, S., et al. PLoS Biol. 2 (9), E247 (2004) :  
Abe, Y., et al. J. Biol. Chem. 276(47):44003-44011(2001)