

Tk1 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI14305

Product Information

Application	WB
Primary Accession	P04184
Other Accession	NM_009387.2 , NP_033413.2
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rabbit, Zebrafish
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25776

Additional Information

Gene ID	21877
Alias Symbol	D530002A18Rik, Tk-1, Tk1a, Tk1b
Other Names	Thymidine kinase, cytosolic, 2.7.1.21, Tk1, Tk-1
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-Tk1 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	Tk1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Tk1
Synonyms	Tk-1
Function	Cell-cycle-regulated enzyme of importance in nucleotide metabolism. Catalyzes the first enzymatic step in the salvage pathway converting thymidine into thymidine monophosphate. Transcriptional regulation limits expression to the S phase of the cell cycle and transient expression coincides with the oscillation in the intracellular dTTP concentration.
Cellular Location	Cytoplasm.

References

Lin P.-F.,et al.Mol. Cell. Biol. 5:3149-3156(1985).
Wintersberger E.,et al.Adv. Enzyme Regul. 32:241-254(1992).
Gudas J.M.,et al.Gene 118:205-216(1992).
Liechty M.C.,et al.Mutat. Res. 286:299-307(1993).
Carninci P.,et al.Science 309:1559-1563(2005).

Images



WB Suggested Anti-Tk1 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse liver

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