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RFK Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15137

Product Information

Application	WB
Primary Accession	Q969G6
Other Accession	NM_018339, NP_060809
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine, Yeast
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine, Yeast
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17623

Additional Information

Gene ID	55312
Alias Symbol	FLJ11149, RIFK, RP11-422N19.2
Other Names	Riboflavin kinase, 2.7.1.26, ATP:riboflavin 5'-phosphotransferase, Flavokinase, RFK
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-RFK 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	RFK Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RFK
Function	Catalyzes the phosphorylation of riboflavin (vitamin B2) to form flavin-mononucleotide (FMN), hence rate-limiting enzyme in the synthesis of FAD. Essential for TNF-induced reactive oxygen species (ROS) production. Through its interaction with both TNFRSF1A and CYBA, physically and functionally couples TNFRSF1A to NADPH oxidase. TNF- activation of RFK may enhance the incorporation of FAD in NADPH oxidase, a critical step for the assembly and activation of NADPH oxidase. Cytoplasm.

Cellular Location

Tissue Location Detected in brain, placenta and urinary bladder.

References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Humphray S.J.,et al.Nature 429:369-374(2004).
Yazdanpanah B.,et al.Nature 460:1159-1163(2009).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).
Karthikeyan S.,et al.Structure 11:265-273(2003).

Images



WB Suggested Anti-RFK Antibody Titration: 1.0 µg/ml
Positive Control: HepG2 Whole Cell

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