

RFK Antibody - N-terminal region

Rabbit Polyclonal Antibody Catalog # AI15137

Product Information

Application WB Primary Accession Q969G6

Other Accession <u>NM 018339</u>, <u>NP 060809</u>

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.

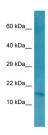
Cytoplasm.

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 $\mu g/ml$ Positive Control: HepG2 Whole Cell

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