

RFK Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15137**Specification**

RFK Antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q969G6
Other Accession	NM_018339 , NP_060809
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Yeast, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Yeast, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17kDa KDa

RFK Antibody - N-terminal region - 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.

RFK Antibody - N-terminal region - 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.

Cellular Location

Cytoplasm.

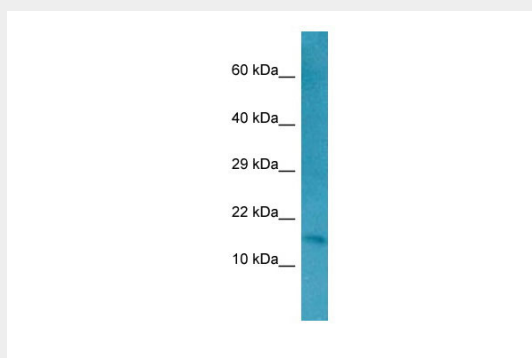
Tissue Location

Detected in brain, placenta and urinary bladder.

RFK Antibody - N-terminal region - 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](#)

RFK Antibody - N-terminal region - Images

WB Suggested Anti-RFK Antibody Titration: 1.0 µg/ml

Positive Control: HepG2 Whole Cell

RFK Antibody - N-terminal region - 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).