

RIOK3 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51853**Specification**

RIOK3 Antibody - Product Information

Application	WB, E
Primary Accession	O14730
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59 KDa

RIOK3 Antibody - Additional Information**Gene ID** 8780**Other Names**

Serine/threonine-protein kinase RIO3, RIO kinase 3, sudD homolog, RIOK3, SUDD

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

RIOK3 Antibody - Protein Information**Name** RIOK3**Synonyms** SUDD**Function**

Involved in regulation of type I interferon (IFN)-dependent immune response which plays a critical role in the innate immune response against DNA and RNA viruses. May act as an adapter protein essential for the recruitment of TBK1 to IRF3 (PubMed: [24807708](http://www.uniprot.org/citations/24807708)). Phosphorylates IFIH1 on 'Ser-828' interfering with IFIH1 filament assembly on long dsRNA and resulting in attenuated IFIH1-signaling (PubMed: [25865883](http://www.uniprot.org/citations/25865883)). Can inhibit CASP10 isoform 7-mediated activation of the NF-kappaB signaling pathway (PubMed: [19557502](http://www.uniprot.org/citations/19557502)). May play a role in the biogenesis of the 40S ribosomal subunit. Involved in the processing of 21S pre-rRNA to the mature 18S rRNA (PubMed: [22418843](http://www.uniprot.org/citations/22418843)).

Cellular Location

Cytoplasm.

Tissue Location

Widely expressed..

RIOK3 Antibody - 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](#)

RIOK3 Antibody - Images**RIOK3 Antibody - References**

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Nusbaum C.,et al.Nature 437:551-555(2005).
Dephore N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).
Greenman C.,et al.Nature 446:153-158(2007).