

RIOK3 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20884a

Product Information

Application	WB, E
Primary Accession	O14730
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB49659
Calculated MW	59093

Additional Information

Gene ID	8780
Other Names	Serine/threonine-protein kinase RIO3, RIO kinase 3, sudd homolog, RIOK3, SUDD
Target/Specificity	This RIOK3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 146-179 amino acids from the Central region of human RIOK3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	RIOK3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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

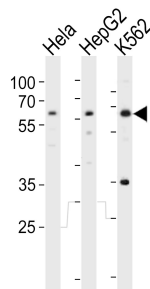
recruitment of TBK1 to IRF3 (PubMed:[24807708](#)). Phosphorylates IFIH1 on 'Ser-828' interfering with IFIH1 filament assembly on long dsRNA and resulting in attenuated IFIH1-signaling (PubMed:[25865883](#)). Can inhibit CASP10 isoform 7-mediated activation of the NF-kappaB signaling pathway (PubMed:[19557502](#)). 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](#)).

Cellular Location	Cytoplasm.
Tissue Location	Widely expressed..

References

Anaya P.,et al.Gene 211:323-329(1998).
 Nusbaum C.,et al.Nature 437:551-555(2005).
 Dephoure 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).

Images



Western blot analysis of lysates from HeLa, HepG2, K562 cell line (from left to right), using RIOK3 Antibody (Center)(Cat. #AP20884a). AP20884a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

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