

## Immunotag™ RIOK3 Antibody

Antibody Specification	
Catalog No.	ITA8456
Product Description	Immunotag™ RIOK3 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	RIOK3
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IF/ICC,ELISA
Recommended Dilution	WB 1:1000-3000, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human RIOK3
Specificity	RIOK3 Antibody detects endogenous levels of total RIOK3
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	RIOK3
Accession No.	O14730
Alternate Names	Homolog of the Aspergillus nidulans sudD gene product; RIO kinase 3 (yeast); RIO kinase 3; RIOK3; RIOK3_HUMAN; Serine/threonine protein kinase RIO3; Serine/threonine-protein kinase RIO3; SudD (suppressor of bimD6, Aspergillus nidulans) homolog; SUDD; sudD homolog; SudD suppressor of Aspergillus nidulans bimD6 homolog; SudD suppressor of bimD6 homolog;

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Description	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).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	59 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.