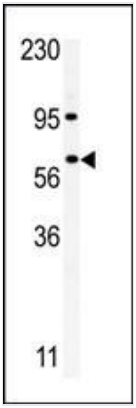
RIOK1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RIOK1, Polyclonal Antibody
Full Product Name	RIOK1, CT (Serine/Threonine-protein Kinase RIO1, RIO Kinase 1) (PE)
Product Gene Name	anti-RIOK1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human RIOK1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	65.583
3D Structure	ModBase 3D Structure for Q9BRS2
Immunogen	Synthetic peptide selected from the C-terminal region of human RIOK1 (KLH).
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-RIOK1 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-RIOK1 antibody	Western Blot (WB), FLISA
Application Notes for anti-RIOK1 antibody	WB: 1:100-1:500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-RIOK1 antibody	MBS6498017 is an antibody targeting RIOK1. Also known as RIOK1, CT (Serine/Threonine-protein Kinase RIO1, RIO Kinase 1) (PE). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-RIOK1 antibody	1. Line, A., et al., Cancer Immunol. Immunother. 51(10):574-582 (2002).
Other Notes	Small volumes of anti-RIOK1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-RIOK1 antibody
Western blot analysis of anti-RIOK1 Pab in A375 cell line lysate. RIOK1 (arrow) was detected using the purified Pab.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RIOK1. It may not necessarily be applicable to this product.

NCBI GI #	23510356
NCBI GeneID	83732
NCBI Accession #	NP_113668
UniProt Primary Accession #	Q9BRS2
UniProt Related Accession #	Q9BRS2
GenBank Nucleotide #	NP_113668.2
NCBI Official Full Name	serine/threonine-protein kinase RIO1 isoform 1
NCBI Official Synonym Full Names	RIO kinase 1
NCBI Official Symbol	RIOK1
NCBI Official Synonym Symbols	RIO1; AD034; RRP10; bA288G3.1
UniProt Protein Name	Serine/threonine-protein kinase RIO1
UniProt Synonym Protein Names	RIO kinase 1
UniProt Gene Name	RIOK1
NCBI Protein Information	serine/threonine-protein kinase RIO1
NCBI Summary for RIOK1	The protein encoded by this gene competes with pICln for inclusion in the protein arginine methyltransferase 5 complex. This complex targets substrates for dimethylation. The encoded protein is essential for the last steps in the maturation of 40S subunits. [provided by RefSeq, Jan 2017]
Research Articles on RIOK1	**1.** Together, this study highlights the importance of a RIOK1 methylation-phosphorylation switch in determining colorectal and gastric cancer development.
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