

Product Datasheet

RIOK3 Antibody (4A12-1D2) - Azide and BSA Free H00008780-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00008780-M01

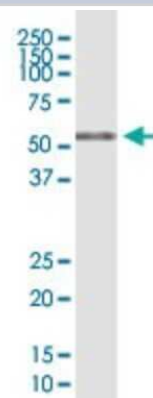
RIOK3 Antibody (4A12-1D2) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4A12-1D2
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	8780
Gene Symbol	RIOK3
Species	Human
Specificity/Sensitivity	RIOK3 - RIO kinase 3 (yeast)
Immunogen	RIOK3 (AAH39729, 1 a.a. ~ 516 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MDLVGVASPEPGTAAAWGPSKCPWAIPQNTISCSLADVMSEQLAKELQLEEEA AVFPEVAVAEGPFITGENIDTSSDLMLAQMLQMEYDREYDAQLRREEKKFNGD SKVSISFENYRKVHPYEDSDSSEDEVDWQDTRDDPYRPAKPVPTPKKGFIGKG KDITTKHDEVVCGRKNTARMENFAPEFQVGDGIGMDLKLSNHVFNALKQHAYS EERRSARLHEKKEHSTA EKAVDPKTRLLMYKMVNSGMLETITGCISTGKESVVF HAYGGSMEDEKEDSKVIPTECAIKVFKTTLNEFKNRDKYIKDDFRFKDRFSKLN PRKIIRMWAEKEMHNLARMQRAGIPCPTVLLKKHILVMSFIGHDQVPAPKLKE VKLNSEEMKEAYYQTLHLMRQLYHECTLVHADLSEYNMLWHAGKVWLIDVSQ SVEPTPHGLEFLFRDCRNVSQKGGVKEALSERELFNAVSGLNITADNEADFL AEIEALEKMNEDHVQKNRKAASFLKDDGDPPLLYDE
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Sandwich ELISA
Recommended Dilutions	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Sandwich ELISA
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for ELISA.

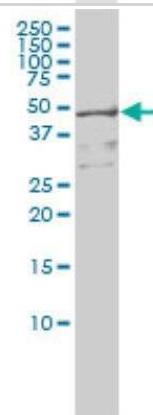


Images

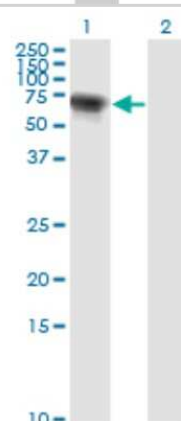
Western Blot: RIOK3 Antibody (4A12-1D2) [H00008780-M01] - RIOK3 monoclonal antibody (M01), clone 4A12-1D2. Analysis of RIOK3 expression in MCF-7.



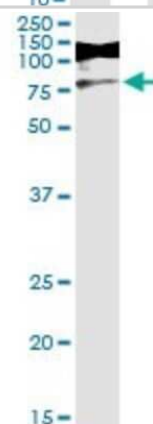
Western Blot: RIOK3 Antibody (4A12-1D2) [H00008780-M01] - Western Blot analysis of RIOK3 expression in Hela NE (Cat # L013V3).



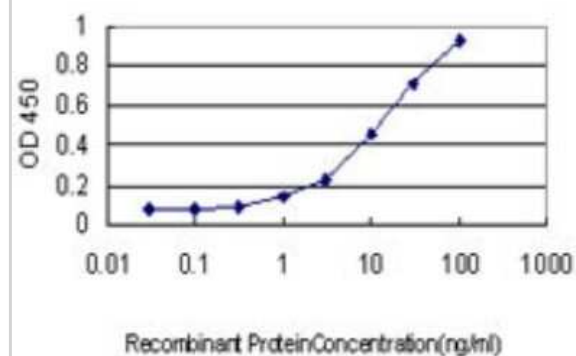
Western Blot: RIOK3 Antibody (4A12-1D2) [H00008780-M01] - Analysis of RIOK3 expression in transfected 293T cell line by RIOK3 monoclonal antibody (M01), clone 4A12-1D2. Lane 1: RIOK3 transfected lysate(59.1 KDa). Lane 2: Non-transfected lysate.



Immunoprecipitation: RIOK3 Antibody (4A12-1D2) [H00008780-M01] - Analysis of RIOK3 transfected lysate using anti-RIOK3 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with RIOK3 MaxPab rabbit polyclonal antibody.



Sandwich ELISA: RIOK3 Antibody (4A12-1D2) [H00008780-M01] - Detection limit for recombinant GST tagged RIOK3 is approximately 0.3ng/ml as a capture antibody.



Publications

Zhang T, Ji D, Wang P et al. The atypical protein kinase RIOK3 contributes to glioma cell proliferation/survival, migration/invasion and the AKT/mTOR signaling pathway. *Cancer Lett* 2017-12-09 [PMID: 29233656]

Kimmelman AC, Hezel AF, Aguirre AJ et al. Genomic alterations link Rho family of GTPases to the highly invasive phenotype of pancreas cancer. *Proc Natl Acad Sci U S A.* 2008-12-09 [PMID: 19050074]

D C Singleton, P Rouhi, C E Zois et al. Hypoxic regulation of RIOK3 is a major mechanism for cancer cell invasion and metastasis. *Oncogene* 2014-12-08 [PMID: 25486436]



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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00008780-P01-10ug	Recombinant Human R1OK3 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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