

RIOK3 Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a partial recombinant RIOK3.****Catalog # AT3645a****Specification**

RIOK3 Antibody (monoclonal) (M02) - Product Information

Application	WB, E
Primary Accession	O14730
Other Accession	BC039729
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	59093

RIOK3 Antibody (monoclonal) (M02) - Additional Information**Gene ID** 8780**Other Names**

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

Target/Specificity

RIOK3 (AAH39729, 411 a.a. ~ 516 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

RIOK3 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

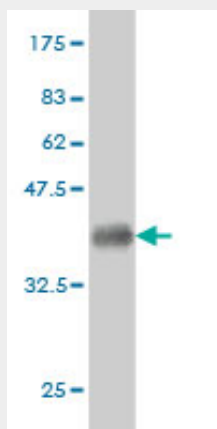
RIOK3 Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

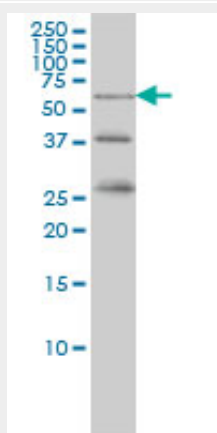
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

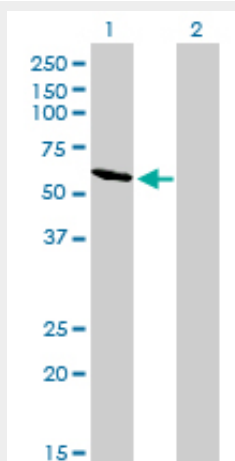
RIOK3 Antibody (monoclonal) (M02) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.29 kDa) .

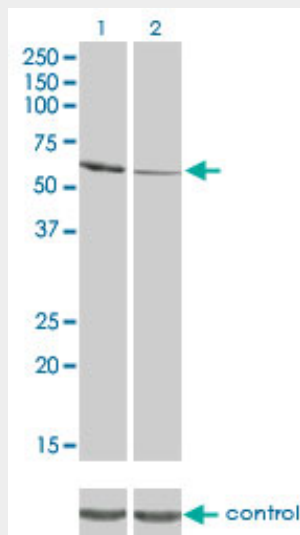


RIOK3 monoclonal antibody (M02), clone 3G11 Western Blot analysis of RIOK3 expression in K-562 ((Cat # AT3645a)

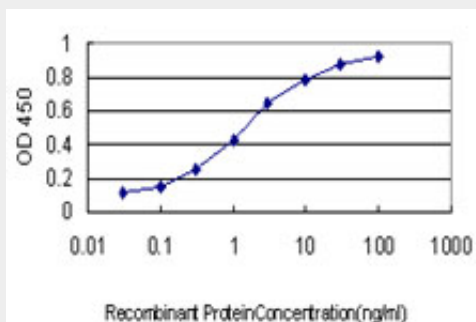


Western Blot analysis of RIOK3 expression in transfected 293T cell line by RIOK3 monoclonal antibody (M02), clone 3G11.

Lane 1: RIOK3 transfected lysate(59.1 KDa).
Lane 2: Non-transfected lysate.



Western blot analysis of RIOK3 over-expressed 293 cell line, cotransfected with RIOK3 Validated Chimera RNAi (Cat # AT3645a)



Detection limit for recombinant GST tagged RIOK3 is approximately 0.03ng/ml as a capture antibody.

RIOK3 Antibody (monoclonal) (M02) - Background

This gene was identified by the similarity of its product to the *Aspergillus nidulans* SUD4 protein, an extragenic suppressor of the heat-sensitive bimD6 mutation that fails to attach properly to the spindle microtubules at a restrictive temperature. The specific function of this gene has not yet been determined.

RIOK3 Antibody (monoclonal) (M02) - References

Genomic alterations link Rho family of GTPases to the highly invasive phenotype of pancreas cancer. Kimmelman AC, et al. *Proc Natl Acad Sci U S A*, 2008 Dec 9. PMID 19050074. Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. *Mol Cell Proteomics*, 2008 Mar. PMID 18029348. Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. *Mol Syst Biol*, 2007. PMID 17353931. Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. *Genome Res*, 2006 Jan. PMID 16344560. DNA sequence and analysis of human

chromosome 18. Nusbaum C, et al. Nature, 2005 Sep 22. PMID 16177791.