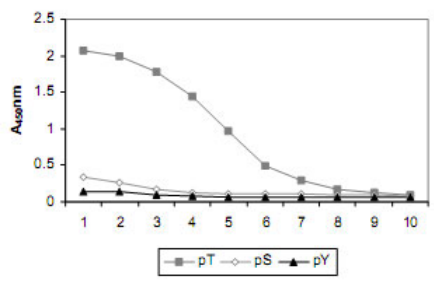
Phosphothreonine monoclonal antibody, clone 18F6

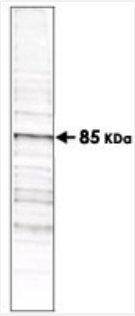
Catalog # MAB2001 Size 100 uL

Applications



Enzyme-linked Immunoabsorbent Assay

ELISA results of PhosphoThreonine monoclonal antibody, clone 18F6 (Cat # MAB2001) tested against BSA conjugates of pT, pY and pS.
Each well was coated with 0.1 ug of conjugate.
The starting dilution of antibody was 1 : 1000 and each point on the X-axis represents a 2-fold dilution.



Western Blot (Cell lysate)

Phospho Threonine monoclonal antibody, clone 18F6 (Cat # MAB2001) is shown to detect threonine phosphorylation of proteins in a lysate from A-431 cells stimulated with EGF.
Separation is achieved under reducing conditions using a pre-cast 4-20% iGel from Gradipore, Inc.
A 1 : 1,000 dilution of Phospho Threonine monoclonal antibody, clone 18F6 (Cat # MAB2001) is used for 30 min followed by detection using a 1 : 2,500 dilution of IRDye® 800 conjugated Goat-a-Mouse IgG [H&L] and visualization using the Odyssey® Infrared Imaging System developed by LI-COR.
Other detection systems will yield similar results. IRDye is a trademark of LI-COR, Inc.

Specification

Product Description	Mouse monoclonal antibody raised against Phosphothreonine.
Immunogen	Phosphothreonine conjugated with KLH.
Host	Mouse

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Specificity	Reactivity is specific to phosphothreonine and minimal cross reactivity is observed against phospho serine or phosphotyrosine.
Form	Liquid
Isotype	IgG1, kappa
Quality Control Testing	Antibody Reactive Against PhosphoThreonine.
Recommend Usage	Competitive ELISA (1:2000-1:10000) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

  ELISA results of PhosphoThreonine monoclonal antibody, clone 18F6 (Cat # MAB2001) tested against BSA conjugates of pT, pY and pS.
  Each well was coated with 0.1 ug of conjugate.
  The starting dilution of antibody was 1 : 1000 and each point on the X-axis represents a 2-fold dilution.

- Western Blot (Cell lysate)

  Phospho Threonine monoclonal antibody, clone 18F6 (Cat # MAB2001) is shown to detect threonine phosphorylation of proteins in a lysate from A-431 cells stimulated with EGF.
  Separation is achieved under reducing conditions using a pre-cast 4-20% iGel from Gradipore, Inc.
  A 1 : 1,000 dilution of Phospho Threonine monoclonal antibody, clone 18F6 (Cat # MAB2001) is used for 30 min followed by detection using a 1 : 2,500 dilution of IRDye® 800 conjugated Goat-a-Mouse IgG [H&L] and visualization using the Odyssey® Infrared Imaging System developed by LI-COR.
  Other detection systems will yield similar results. IRDye is a trademark of LI-COR, Inc.

Publication Reference

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Ligand-Induced Tyrosine Phosphorylation of Cysteinyl Leukotriene Receptor 1 Triggers Internalization and Signaling in Intestinal Epithelial Cells.

  Parhamifar L, Sime W, Yudina Y, Vilhardt F, Morgelin M, Sjolander A.

  PLoS One 2010 Dec; 5(12):e14439.

  Application: WB, Human, Int 407 cells

- Ca2+/calmodulin-dependent protein kinase II regulates Tiam1 by reversible protein phosphorylation.

  Fleming IN, Elliott CM, Buchanan FG, Downes CP, Exton JH.

  The Journal of Biological Chemistry 1999 Apr; 274(18):12753.

  Application: WB-Ce, WB-Re, Mouse, NIH/3T3 cells, Purified protein

- Regulation of organelle movement in melanophores by protein kinase A (PKA), protein kinase C (PKC), and protein phosphatase 2A (PP2A).

  Reilein AR, Tint IS, Peunova NI, Enikolopov GN, Gelfand VI.

  The Journal of Cell Biology 1998 Aug; 142(3):803.

  Application: WB-Ce, Xenopus laevis, Immortalized cells

- Human T cell leukemia virus type 1 oncoprotein Tax targets the human mitotic checkpoint protein MAD1.

  Jin DY, Spencer F, Jeang KT.

  Cell 1998 Apr; 93(1):81.

  Application: WB-Ce, Human, HeLa cells

- Phosphorylation of light-harvesting complex II and photosystem II core proteins shows different irradiance-dependent regulation in vivo. Application of phosphothreonine antibodies to analysis of thylakoid phosphoproteins.

  Rintamaki E, Salonen M, Suoranta UM, Carlberg I, Andersson B, Aro EM.

  The Journal of Biological Chemistry 1997 Nov; 272(48):30476.

  Application: Func, WB, Plant, Leaves thylakoids

Copyright © 2023 Abnova Corporation. All Rights Reserved.