Datasheet for ABIN5585637

anti-Phosphothreonine antibody

3 Images

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Overview

Quantity:	100 µg
Target:	Phosphothreonine
Reactivity:	Please inquire
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Phosphothreonine antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Recombinant rabbit monoclonal antibody raised against phosphothreonine.
Immunogen:	Original antibody is raised against a mixture of phosphothreonine conjugated with BSA and phosphothreonine containing peptide.
Clone:	RM102
Isotype:	IgG
Specificity:	This antibody reacts threonine-phosphorylated proteins. No cross reactivity with nonphosphorylated threonine, phosphoserine, and phosphotyrosine. It shows slight cross-reactivity with a few phospho-serine-containing peptides.

Target Details

Target:	Phosphothreonine

Target Details

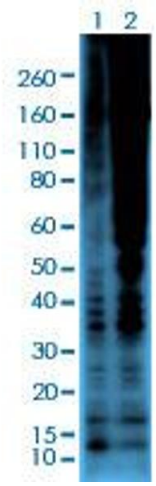
Abstract:	Phosphothreonine Products
Target Type:	Amino Acid

Application Details

Application Notes:	ELISA Flow Cytometry Immunocytochemistry (1:100-1:500) Immunohistochemistry (1:100-1:500) Immunoprecipitation (1:100-1:500) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

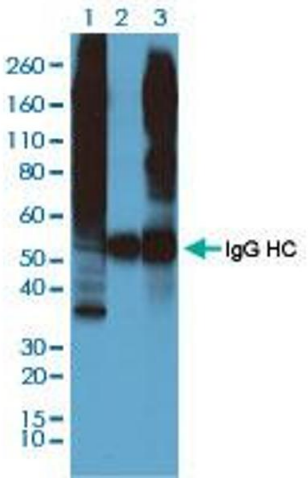
Handling

Format:	Liquid
Buffer:	In PBS (50 % glycerol, 1 % BSA, 0.09 % sodium azide)
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot to avoid repeated freezing and thawing.



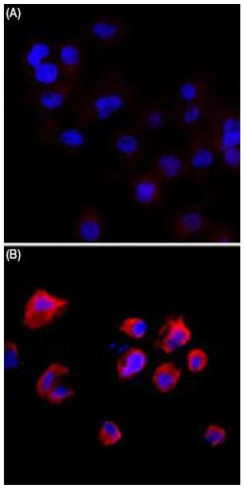
Western Blotting

Image 1. Western blot analysis of Lane 1: serum-starved A431 cells, Lane 2: serum-starved A431 cells treated with Calyculin A/Okadaic Acid using Phosphothreonine monoclonal antibody, clone RM102 at 1:2000 dilution.



Immunoprecipitation

Image 2. Immunoprecipitation analysis of Lane 1: Calyculin A/Okadaic Acid-treated A431 cell whole lysates, Lane 2: Calyculin A/Okadaic Acid-treated A431 cell whole lysates using rabbit IgG antibody; Lane 3: Calyculin A/Okadaic Acid-treated A431 cell whole lysates using Phosphothreonine monoclonal antibody, clone RM102 at 1:500 dilution.



Immunocytochemistry

Image 3. Immunocytochemistry staining of serum-starved A431 cells (A) and serum-starved A431 cells treated with Calyculin A/Okadaic Acid (B) using Phosphothreonine monoclonal antibody, clone RM102 (Red) at 1:500 dilution. Nuclear DNA was stained with DAPI (Blue).

