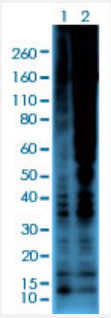
RecomAb™

# Phosphothreonine monoclonal antibody, clone RM102

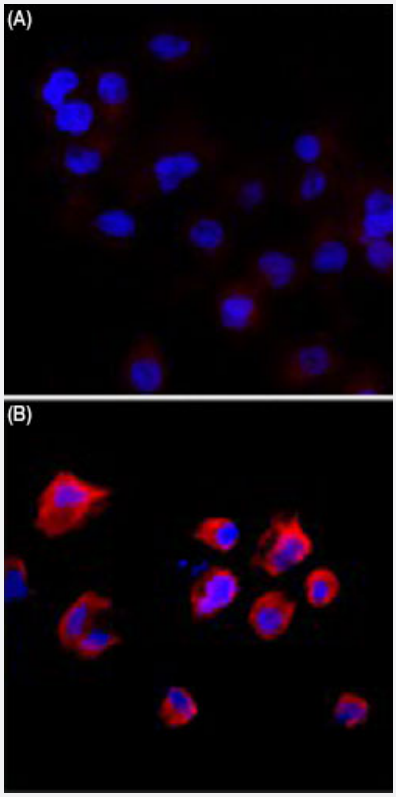
Catalog # MAB12824 Size 100 ug

## Applications



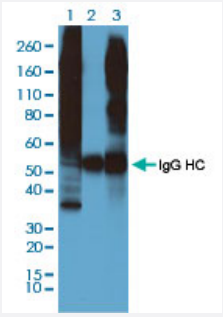

### Western Blot (Cell lysate)

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 (Cat # MAB12824) at 1:2000 dilution.




### Immunocytochemistry

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 (Cat # MAB12824) (Red) at 1:500 dilution. Nuclear DNA was stained with DAPI (Blue).




## Immunoprecipitation

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 (Cat # MAB12824) at 1:500 dilution.

## This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Phosphothreonine monoclonal antibody, clone RM102 (Cat# MAB12824) recognizes Phosphorylated threonine in peptides with different sequences. It has minimal cross- reactivity with phosphorylated serine.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against phosphothreonine. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a mixture of phosphothreonine conjugated with BSA and phospho threonine containing peptide. |
| **Sequence** | N/A |
| **Specificity** | This antibody reacts threonine-phosphorylated proteins. No cross reactivity with nonphosphorylated t hreonine, phosphoserine, and phosphotyrosine. It shows slight cross-reactivity with a few phospho-se rine-containing peptides. |
| **Form** | Liquid |
| **Purification** | Protein A affinity purification |
| **Isotype** | IgG |

| | |
|---|---|
| **Recommend Usage** | ELISA<br>Flow Cytometry<br>Immunocytochemistry (1:100-1:500)<br>Immunohistochemistry (1:100-1:500)<br>Immunoprecipitation (1:100-1:500)<br>Western Blot (1:500-1:2000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS (50% glycerol, 1% BSA, 0.09% sodium azide) |
| **Storage Instruction** | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
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- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry