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10-9533: Recombinant Rabbit Monoclonal Antibody to Phosphothreonine (Clone: RM102)(Discontinued)

Clonality: Monoclonal Clone Name: RM102

Application: WB,IP,ICC,IHC,FACS,ELISA

Reactivity: All Species
Format: Purified
Isotype: Rabbit IgG

Immunogen Information: Mixture of phosphothreonine-BSA conjugate and a phosphothreonine containing peptide

Product Info

Amount : 100 μg

Purification: Protein A affinity purified from an animal origin-free culture supernatant **Content:** 1 mg/ml in 50% Glycerol/PBS with 1% BSA and 0.09% sodium azide

Storage condition : Store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Clone RM102 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. Western Blot (WB): 1:500 -1:2000 dilution; Immunoprecipitation (IP): 1:100-1:500 dilution; Chromatin IP (ChIP): 1:100-1:500 dilution; Immunocytochemistry (ICC): 1:100-1:500 dilution; Immunohistochemistry (IHC): 1:100-1:500 dilution.

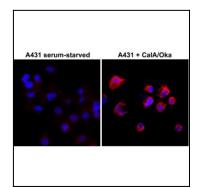


Figure 1: Immunocytochemistry of serum-starved A431 cells nontreated or treated with Calyculin A/Okadaic Acid, using Clone: RM102 at 1/500 dilution (followed by PE conjugated secondary antibody, red) and DAPI (blue).

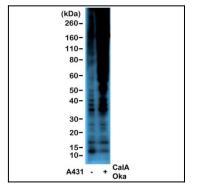


Figure 2: Western blot of serum-starved A431 cells non-treated or treated with Calyculin A/Okadaic Acid,using Clone: RM102 at 1/2000 dilution.



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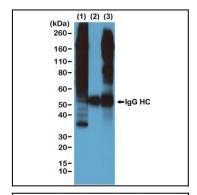


Figure 3: Immunoprecipitation of Calyculin A/Okadaic Acid treated A431 cells by Clone: RM102 at1/500 dilution, and then blotted with Clone: RM102.(1) Whole lysate control; (2) IP by rabbit IgG control; (3) IP by Clone: RM102.

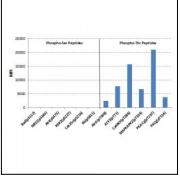


Figure 4: rabbit monoclonal antibody Clone: RM102 recognizes Phosphorylated threonine in peptides with different sequences. It has minimal cross-reactivity with phosphorylated serine.