Product Datasheet

Phosphothreonine Antibody [HRP] NBP1-77696

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-77696

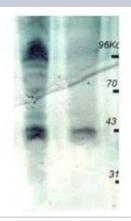
Phosphothreonine Antibody [HRP]

Product Information	
0.1 mg	
Please see the vial label for concentration. If unlisted please contact technical services.	
Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.	
Polyclonal	
No Preservative	
IgG	
HRP	
Immunogen affinity purified	
0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 50% (v/v) Glycerol	
Product Description	
For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room This product was prepared from monospecific antiserum by immunoaffinity chromatography using phosphorylated threonine peptide coupled to agarose followed by conjugation to horseradish peroxidase and subsequent purification. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-	
Rabbit IgG and anti-Peroxidase Rabbit	
Non-species specific	
Reactivity is specific for phosphothreonine and minimal cross reactivity is observed against phosphotyrosine or phosphoserine	
Phosphothreonine Antibody was prepared from whole rabbit serum produced by repeated immunizations with phosphothreonine conjugated KLH.	
Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation	
Western Blot 1:500, ELISA 1:1000, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500	
This product is suitable for use in ELISA and western blotting assays. The antibody reacts specifically with phosphothreonine and shows minimal reactivity by ELISA and western blotting with proteins containing phosphotyrosine or phosphoserine residues. The antibody reacts with free phosphothreonine, phosphothreonine conjugated to carriers such as thyroglobulin or BSA, and detects the presence of phosphothreonine proteins in both unstimulated and stimulated cell lysates. Although not tested, this antibody is likely functional in RIA, flow cytometry and immunohistochemistry.	

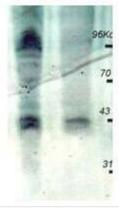


Images

Western Blot: Phosphothreonine Antibody [HRP] [NBP1-77696] - Affinity Purified Detection phosphorylated proteins present in mouse spleen cell lysates. Left Lane: extract of spleen from mouse treated with vanadium. Right lane: extract of spleen from untreated mouse.



Affinity Purified anti-phosphothreonine (pT) antibody is shown to detect phosphorylated proteins present in mouse spleen cell lysates. Left Lane: extract of spleen from mouse treated with vanadium. Right lane: extract of spleen from untreated mouse.



Publications

Baoyu He, Qingli Bie, Rou Zhao, Yugang Yan, Guanjun Dong, Baogui Zhang, Sen Wang, Wenrong Xu, Dongxing Tian, Yujun Hao, Yanhua Zhang, Mingsheng Zhao, Huabao Xiong, Bin Zhang Arachidonic acid released by PIK3CA mutant tumor cells triggers malignant transformation of colonic epithelium by inducing chromatin remodeling Cell Reports Medicine 2024-04-12 [PMID: 38614093]





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Products Related to NBP1-77696

NBP2-24891H

Rabbit IgG Isotype Control [HRP]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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