

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	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Conjugate	HRP
Purity	Immunogen affinity purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 50% (v/v) Glycerol

Product Description	
Description	<p>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</p> <p>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</p>
Host	Rabbit
Species	Non-species specific
Reactivity Notes	Reactivity is specific for phosphothreonine and minimal cross reactivity is observed against phosphotyrosine or phosphoserine
Immunogen	Phosphothreonine Antibody was prepared from whole rabbit serum produced by repeated immunizations with phosphothreonine conjugated KLH.

Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, ELISA 1:1000, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	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]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-
techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-77696

NBP2-24891H	Rabbit IgG Isotype Control [HRP]
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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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