

Product Datasheet

Phosphoserine Antibody (PSR-45) NB600-405

Unit Size: 0.1 ml

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

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NB600-405**Phosphoserine Antibody (PSR-45)**

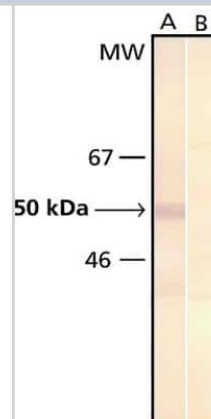
Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	PSR-45
Preservative	0.9% Sodium Azide
Isotype	IgG1
Purity	Unpurified
Buffer	Ascites

Product Description	
Host	Mouse
Species	Human, Rat, Rabbit
Reactivity Notes	Rabbit reactivity reported in scientific literature (PMID: 26003536)
Specificity/Sensitivity	By ELISA and dot blot, the antibody reacts specifically with phosphorylated serine, both as free amino acid or conjugated to carriers such as BSA or KLH. No cross-reactivity is observed with non-phosphorylated serine, phosphothreonine, phosphotyrosine, AMP or ATP. This antibody has been used in immunoblotting for the localization of some phosphoserine-containing proteins. Certain proteins known to contain phosphorylated serine may not be recognized by this antibody due to steric hindrance of the recognition site.
Immunogen	Phosphoserine conjugated to Keyhole Limpet Hemocyanin (KLH).

Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:500-1:1000, ELISA 1:4000
Application Notes	Do not use milk as a blocking agent or in diluents, as milk casein is phosphorylated at several serine residues. BSA is recommended instead. The ELISA dilution given is for indirect.

Images

Western Blot: Phosphoserine Antibody (PSR-45) [NB600-405] - Whole cell extract of rat brain cortex was separated on SDS-PAGE and blotted with Monoclonal Anti-Phosphoserine. The antibody was developed with Goat Anti-Mouse IgG, Biotin Conjugate, ExtrAvidin, Peroxidase Conjugate and AEC substrate. Lane A: Antibody dilution 1:1000 Lane B: Negative control (only secondary antibody)



Publications

Ma S, Han J, Li Z et al. An XBP1s-PIM-2 positive feedback loop controls IL-15-mediated survival of natural killer cells Science immunology 2023-03-17 [PMID: 36897958]

Utada K, Ishida K, Tohyama S et al. The combination of insulin-like growth factor 1 and erythropoietin protects against ischemic spinal cord injury in rabbits J Anesth 2015-05-25 [PMID: 26003536] (WB, Rabbit)





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 NB600-405

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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