

Product Datasheet

Phosphothreonine Antibody (18F6) NB600-878

Unit Size: 0.05 ml

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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NB600-878**Phosphothreonine Antibody (18F6)**

Product Information	
Unit Size	0.05 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	18F6
Preservative	0.01% Sodium Azide
Isotype	IgG1 Kappa
Purity	Unpurified
Buffer	Antiserum

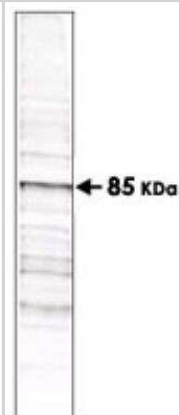
Product Description	
Description	Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.
Host	Mouse
Species	Non-species specific
Reactivity Notes	Reactivity is specific for phosphothreonine and minimal cross reactivity is observed against phosphoserine or phosphotyrosine
Specificity/Sensitivity	Reactivity is specific for phosphothreonine and minimal cross reactivity is observed against phosphoserine or phosphotyrosine.
Immunogen	Phosphothreonine Antibody (18F6) was produced after repeated immunizations of balb/c mice with phosphothreonine conjugated KLH.

Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:4000-1:20000
Application Notes	This monoclonal antibody has been tested in ELISA and Western Blot and reacts specifically with phosphothreonine and shows minimal reactivity by ELISA, and competitive ELISA, with phosphoserine or phosphotyrosine. The antibody reacts with free phosphothreonine, phosphothreonine conjugated to carriers such as thyroglobulin or BSA, as well as phosphothreonine in proteins of both unstimulated and stimulated cell lysates. Although not tested, this antibody is likely functional in RIA, flow cytometry, immunohistochemistry and immunoprecipitation. Phosphorylation of threonine residues is associated with many growth factors and oncogene protein kinases and is important for cell signaling in activation, proliferation and differentiation.

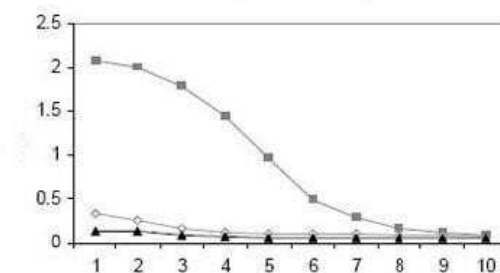


Images

Western Blot: Phosphothreonine Antibody (18F6) [NB600-878] - Phospho Threonine monoclonal antibody, clone 18F6 is shown to detect threonine phosphorylation of proteins in a lysate from A-431 cells stimulated with EGF.



ELISA: Phosphothreonine Antibody (18F6) [NB600-878] - was tested against BSA conjugates of phosphothreonine (grey squares), phosphotyrosine (black triangles) and phosphoserine (open circles). Each well was coated with 0.1 ug of conjugate. The starting dilution of antibody was 1/1000 and each point on the X axis represents a 2-fold dilution. For detection, an HRP-conjugated Goat anti-Mouse IgG was used as secondary antibody, with a TMB substrate. Absorbance is represented on the Y axis.



Mab Anti-phosphothreonine Antibody(clone 18F6) is shown to detect threonine phosphorylation of proteins in a lysate from A431 cells stimulated with EGF



Publications

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)



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Products Related to NB600-878

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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