

Product Datasheet

GAP-43 [p Ser41] Antibody - Azide Free NB300-179

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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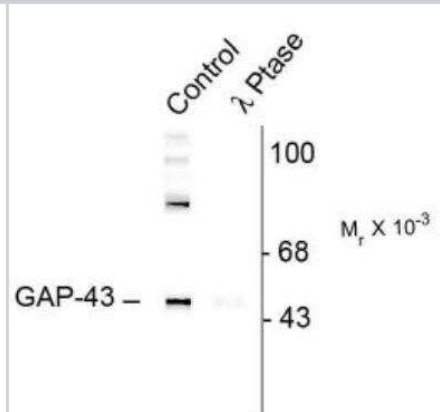
NB300-179

GAP-43 [p Ser41] Antibody - Azide Free

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
Target Molecular Weight	50 kDa
Product Description	
Host	Rabbit
Gene ID	2596
Gene Symbol	GAP43
Species	Mouse, Rat
Marker	Neuronal Marker
Specificity/Sensitivity	Specific for endogenous levels of the ~50 kDa Gap-43 protein phosphorylated at Ser41. In some tissues the antibody also recognizes a higher molecular weight protein that is also recognized by the pan Gap-43 antibody, which may be a Gap-43 aggregate or oligomer. Immunolabeling is completely eliminated by treatment with lambda-phosphatase.
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser41 conjugated to KLH. Accession # P07936
Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1:1000
Application Notes	NB300-179 can be used in Western blot where a band is seen at ~ 43 kDa, representing phosphorylated Gap43. In some tissues the antibody also recognizes a lower MW band that is also recognized by the PAN Gap43 antibody and, thus, it is likely to be a breakdown product. Immunohistochemical analysis has not yet been determined.

Images

Western Blot: GAP43 [p Ser41] Antibody [NB300-179] - Western blot of rat cortex lysate showing specific immunolabeling of the ~50k Gap-43 protein phosphorylated at Ser41 (Control). The phosphospecificity of this labeling is shown in the second lane (lambda-phosphatase). The blot is identical to the control except that it was incubated in lambda-phosphatase (1200 units for 30 min) before being exposed to the GAP-43 Ser41 antibody. The immunolabeling of GAP-43 is completely eliminated by treatment with lambda-phosphatase.





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Products Related to NB300-179

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-53033-20ug	Recombinant Human GAP-43 His Protein

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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