

Product Datasheet

CaMKIV Antibody - BSA Free

NBP1-78002

Unit Size: 0.1 ml

Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.

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NBP1-78002

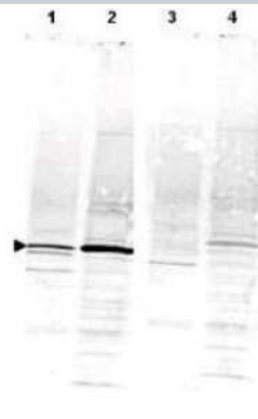
CaMKIV Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	LYOPH mg/ml
Storage	Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Reconstitution Instructions	Reconstitute with 100 ul deionized water (or equivalent)
Isotype	Serum
Purity	Delipidation and Defibrination
Buffer	Lyophilized from 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	This antiserum is directed against human CaMKIV protein. The product was delipidated, defibrinated followed by buffering and clarification Store vial at 4C prior to restoration. 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 temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.
Host	Rabbit
Gene ID	814
Gene Symbol	CAMK4
Species	Human, Mouse, Rat
Reactivity Notes	A BLAST analysis was used to suggest reactivity with this protein from human, mouse, and rat based on 100% homology for the immunogen sequence. Cross reactivity with CaMKIV homologues from other sources has not been determined.
Immunogen	This antiserum was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region near amino acids 300-325 of Human CaMKIV protein. (Uniprot: Q16566)
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:5000-1:25000, Immunohistochemistry 1:500, Immunohistochemistry-Paraffin 1:500
Application Notes	This antiserum has been tested for use in ELISA, IHC, and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band ~ 52 kDa in size corresponding to CaM Kinase IV by western blotting in the appropriate cell lysate or extract.



Images

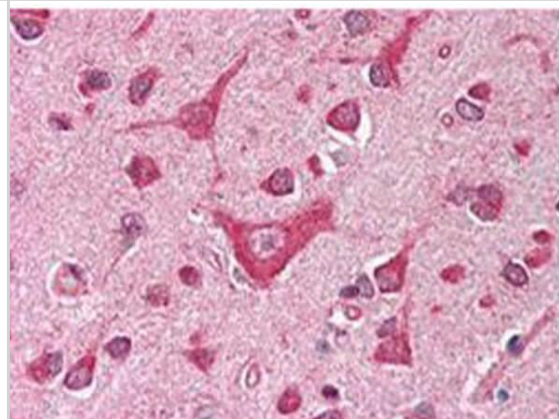
Western Blot: CaMKIV Antibody [NBP1-78002] - Shows detection of a band ~52 kDa corresponding to CaM Kinase IV (arrowhead) in various preparations: lane 1 - rat brain lysate, lane 2 - Jurkat cell lysate. Specific reactivity is blocked in both lysates when antibody is preincubated with immunizing peptide (lanes 3 and 4 respectively). Approximately 35 ug of each lysate was separated by 4-20% SDS-PAGE and transferred onto nitrocellulose. CaM Kinase IV was similarly detected on lysates from mouse brain (not shown). After blocking the membrane was probed with the primary antibody diluted to 1:1,000 for 2h at room temperature followed by washes and reaction with a 1:10,000 dilution of IRDye800 conjugated Gt-a-Rabbit IgG [H&L] MX for 45 min at room temperature.



Immunohistochemistry-Paraffin: CaMKIV Antibody [NBP1-78002] - Antibody was diluted 1:500 in human brain cortex tissue. Tissue was formalin fixed and paraffin embedded. No pre-treatment of sample was required. The image shows the localization of antibody as the precipitated red signal, with a hematoxylin purple nuclear counter stain.



Immunohistochemistry of Anti-CAMK4 antibody. Tissue: human brain cortex was formalin fixed and paraffin embedded. No pre-treatment of sample was required. Primary Antibody: Anti-CaM Kinase IV was diluted 1:500. The image shows the localization of antibody as the precipitated red signal, with a hematoxylin purple nuclear counter stain.





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Products Related to NBP1-78002

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP1-78878-50ug	Recombinant Human CaMKIV His Protein
202-IL-010	IL-2 [Unconjugated]

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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