

Product Datasheet

CaM Kinase II alpha Antibody - BSA Free NB100-81830

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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Publications: 4

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NB100-81830**CaM Kinase II alpha Antibody - BSA Free**

Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 50% glycerol
Target Molecular Weight	50 kDa

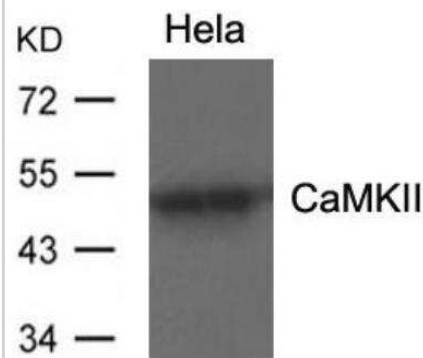
Product Description	
Description	Novus Biologicals Rabbit CaM Kinase II alpha Antibody - BSA Free (NB100-81830) is a polyclonal antibody validated for use in IHC and WB. Anti-CaM Kinase II alpha Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	815
Gene Symbol	CAMK2A
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects endogenous levels of total CaMKII protein.
Immunogen	The antiserum was produced against synthesized non-phosphopeptide derived from human CaM Kinase II alpha around amino acids 284~288 (Q-E-T-V-D).

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:1000, Immunohistochemistry-Paraffin
Application Notes	Use in Immunohistochemistry-paraffin reported in scientific literature (PMID: 28912554).

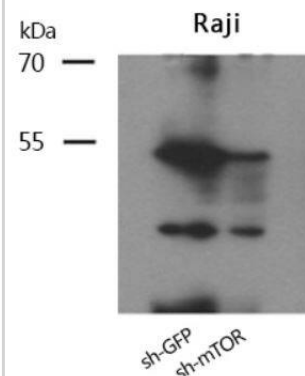


Images

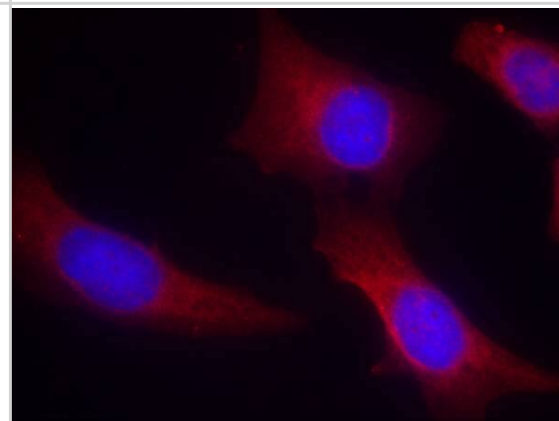
Western Blot: CaM Kinase II alpha Antibody [NB100-81830] - Analysis of extracts from Hela using NB100-81830



Western Blot: CaM Kinase II alpha Antibody [NB100-81830] - Western blotting analysis using NB100-81830



Immunohistochemistry-Paraffin: CaM Kinase II alpha Antibody - BSA Free [NB100-81830] - Immunofluorescence staining of paraffin-embedded human hippocampal region tissue from the falling sickness disease using NB100-81830.



Publications

Khoo GH, Lin YT, Tsai TC, Hsu KS. et Al. Perineuronal Nets Restrict the Induction of Long-Term Depression in the Mouse Hippocampal CA1 Region *Mol Neurobiol* 2019-03-04 [PMID: 30826967]

Yu-Ting Lin, Tsan-Yu Hsieh, Tsung-Chih Tsai, Chien-Chung Chen, Chiung-Chun Huang, Kuei-Sen Hsu Conditional Deletion of Hippocampal CA2/CA3a Oxytocin Receptors Impairs the Persistence of Long-Term Social Recognition Memory in Mice *The Journal of Neuroscience* 2018-01-31 [PMID: 29279308]

Tsuneki H, Sugiyama M, Ito T et al. Food odor perception promotes systemic lipid utilization *Nature metabolism* 2022 -11-01 [PMID: 36376564] (IHC-Fr, Mouse)

Details:

Dilution used in IHC-Fr 1:100

Lin YT, Chen CC, Huang CC, Nishimori K Oxytocin stimulates hippocampal neurogenesis via oxytocin receptor expressed in CA3 pyramidal neurons *Nat Commun.* 2017-09-13 [PMID: 28912554] (IHC-P, Mouse)



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Products Related to NB100-81830

NBL1-08661	CaM Kinase II alpha Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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