

# Product Datasheet

## Casein Kinase 1 delta Antibody

### NB100-2919

Unit Size: 0.1 mg

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

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#### Publications: 2

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**NB100-2919****Casein Kinase 1 delta Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Goat Casein Kinase 1 delta Antibody (NB100-2919) is a polyclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-Casein Kinase 1 delta Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Goat
<b>Gene ID</b>	1453
<b>Gene Symbol</b>	CSNK1D
<b>Species</b>	Human, Mouse
<b>Specificity/Sensitivity</b>	This antibody is expected to recognise both reported isoforms (NP_001884.2 and NP_620693.1)
<b>Immunogen</b>	Peptide with sequence C-DREERLRHSRNPATR corresponding to internal region according to NP_620693.1.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 0.1 - 0.3 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Peptide ELISA Detection limit 1:32000

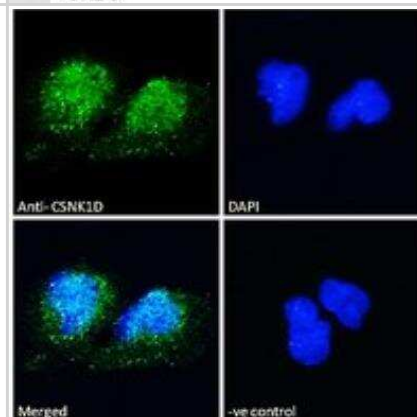


## Images

Western Blot: Casein Kinase 1 delta Antibody [NB100-2919] - Staining of Mouse Brain lysate (35 ug protein in RIPA buffer). Detected by chemiluminescence. Antibody at 0.2 ug/mL.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
  
25kDa  
20kDa  
  
15kDa

Immunocytochemistry/Immunofluorescence: Casein Kinase 1 delta Antibody [NB100-2919] - Analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



## Publications

Dibyadeep Datta, Isabella Perone, Denethi Wijegunawardana, Feng Liang, Yury M. Morozov, Jon Arellano, Alvaro Duque, Zhongcong Xie, Christopher H. van Dyck, Mary Kate P. Joyce, Amy F. T. Arnsten Nanoscale imaging of pT217 $\tau$  in aged rhesus macaque entorhinal and dorsolateral prefrontal cortex: Evidence of interneuronal trafficking and early $\tau$ stage neurodegeneration *Alzheimer's & Dementia* 2024-03-06 [PMID: 38445818]

Xu Y, Padiath QS, Shapiro RE et al. Functional consequences of a CKIdelta mutation causing familial advanced sleep phase syndrome. *Nature* 2005-03-31 [PMID: 15800623]



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### **Products Related to NB100-2919**

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NBL1-09529	Casein Kinase 1 delta Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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### **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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