

# Product Datasheet

## CKII alpha prime polypeptide Antibody - BSA Free NB100-379

Unit Size: 100 ul

Store at 4C. Do not freeze.

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### Publications: 7

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**NB100-379**

CKII alpha prime polypeptide Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)
Target Molecular Weight	41 kDa

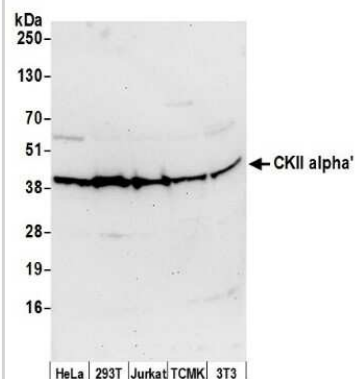
Product Description	
Host	Rabbit
Gene ID	1459
Gene Symbol	CSNK2A2
Species	Human, Mouse
Immunogen	The immunogen recognized by this antibody maps to a region between residue 350 and the C-terminus (residue 350) of human Casein Kinase 2, alpha 2 using the numbering given in entry NP_001887.1 (GeneID 1459).

Product Application Details	
Applications	Western Blot, Immunoprecipitation
Recommended Dilutions	Western Blot 1:200- 1:10000, Immunoprecipitation 2- 10 ug/mg lysate
Application Notes	By Western Blot, this antibody recognizes a band at ~40 kDa, representing CKII alpha'.

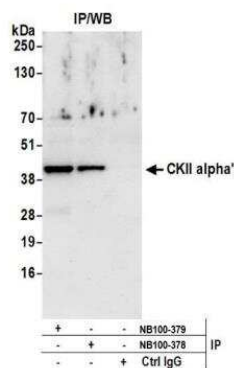


## Images

**Western Blot: CKII alpha prime polypeptide Antibody [NB100-379] - Detection of Human and Mouse CKII alpha' by Western Blot.** Samples: Whole cell lysate (50 ug) from HeLa, 293T, Jurkat, mouse TCMK-1, and mouse NIH3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CKII alpha' antibody NB100-379 used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



**Immunoprecipitation: CKII alpha prime polypeptide Antibody [NB100-379] - Detection of human CKII alpha' by western blot of immunoprecipitates.** Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-CKII alpha' antibody NB100-379 used for IP at 6 ug per reaction. CKII alpha' was also immunoprecipitated by rabbit anti-CKII alpha' antibody NB100-378. For blotting immunoprecipitated CKII alpha', NB100-379 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



## Publications

Warsinger-Pepe N, Chang C, Desroberts CR et al. Polycomb response elements reduce leaky expression of Cas9 under temperature-inducible Hsp70Bb promoter in *Drosophila melanogaster* G3 (Bethesda) 2023-04-13 [PMID: 36705519]

Mansky RH, Greguske EA, Yu D et al. Tumor suppressor p53 regulates heat shock factor 1 protein degradation in Huntington's disease *Cell reports* 2023-03-02 [PMID: 36867535] (WB, Mouse)

Yu D, Zarate N, White A et al. CK2 alpha prime and alpha-synuclein pathogenic functional interaction mediates synaptic dysregulation in huntington's disease *Acta neuropathologica communications* 2022-06-03 [PMID: 35659303] (WB, Mouse)

Deshiere A, Duchemin-Pelletier E, Spreux E et al. Unbalanced expression of CK2 kinase subunits is sufficient to drive epithelial-to-mesenchymal transition by Snail1 induction. *Oncogene* 2012-05-01 [PMID: 22562247]

Hamdorf M, Berger A, Schule S et al. PKC $\Delta$ -induced PU.1 phosphorylation promotes hematopoietic stem cell differentiation to dendritic cells. *Stem Cells* 2011-02-01 [PMID: 21732487]

Gao Y, Wang HY. Casein kinase 2 is activated and essential for Wnt/beta-catenin signaling. *J Biol Chem* 2006-07-01 [PMID: 16672224]

Xu J, Reddy BJ, AnP et al. Casein kinase 2 reverses tail-independent inactivation of kinesin-1 *Nat Commun* 2012-03-27 [PMID: 22453827] (WB, Human)



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### **Products Related to NB100-379**

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NBL1-09537	CKII alpha prime polypeptide Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit 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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