

Product Datasheet

Casein Kinase 1 alpha Antibody - BSA Free NBP2-50030

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: 1

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NBP2-50030

Casein Kinase 1 alpha Antibody - BSA 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 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgY
Purity	IgY purified
Buffer	Supplied as a concentrated total IgY preparation from egg yolk, dialyzed against PBS with added preservative.
Target Molecular Weight	38 kDa

Product Description	
Description	<p>This antibody is supplied as a concentrated total IgY preparation derived from egg yolk. Production involves an initial organic extraction to remove lipids and lipoproteins, followed by salt fractionation of the aqueous phase to precipitate and enrich the IgY fraction. The material is then extensively dialyzed against PBS, and preservative is added during final formulation.</p> <p>Please note that the exact concentration of target-specific IgY cannot be determined, as the final preparation contains both antigen-specific IgY and non-immune IgY.</p>
Host	Chicken
Gene ID	1452
Gene Symbol	CSNK1A1
Species	Human, Mouse, Rat, Porcine, Bovine, Chicken, Equine
Specificity/Sensitivity	This antibody will bind to bind to all Casein Kinase 1 alpha isoforms.
Immunogen	Recombinant full length Casein Kinase 1 alpha (shortest isoform). [UniProt# P48729]
Notes	Chicken products cannot be exported to Canada.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:10000, Immunohistochemistry 1:5000, Immunocytochemistry/ Immunofluorescence 1:500 - 1:1000

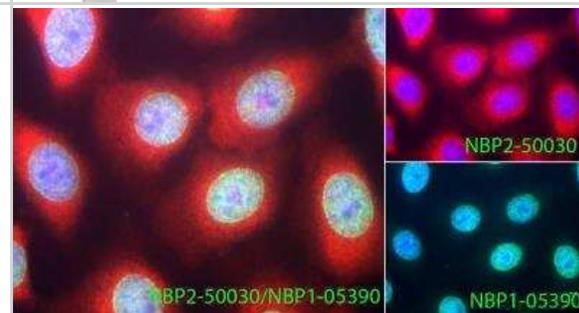


Images

Western Blot: Casein Kinase 1 alpha Antibody [NBP2-50030] - Analysis of whole rat spinal cord homogenate stained with NBP2-50030, at dilution of 1:10,000. A prominent band running with an apparent SDS-PAGE molecular weight of ~38kDa and a less prominent band at ~34kDa corresponds to other Casein Kinase 1 alpha isoforms.



Immunocytochemistry/Immunofluorescence: Casein Kinase 1 alpha Antibody [NBP2-50030] - HeLa cells stained with NBP2-50030 (red) and pan-specific mouse monoclonal antibody to nuclear pore complexes NBP1-05390 (green). Casein Kinase 1 alpha has a particulate distribution both in the nucleus and the cytoplasm. Blue is the Hoechst DNA stain.



Publications

Lu C, Zhang J, Wang B et al. Casein kinase 1 α is required to maintain murine hypothalamic pro-opiomelanocortin expression *iScience* 2023-05-01 [PMID: 37168577]



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Products Related to NBP2-50030

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
BAF010	Goat anti-Chicken IgY Secondary Antibody [Biotin]
NB7276	Goat anti-Chicken IgM Heavy Chain Secondary Antibody
NBP2-51623-0.1mg	Recombinant Human Casein Kinase 1 alpha 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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