

Product Datasheet

Casein Kinase 1 alpha Antibody (PSH04-46) NBP3-32107

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-32107

Casein Kinase 1 alpha Antibody (PSH04-46)

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	PSH04-46
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	39 kDa

Product Description	
Description	Novus Biologicals Rabbit Casein Kinase 1 alpha Antibody (PSH04-46) (NBP3-32107) is a recombinant monoclonal antibody validated for use in WB, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1452
Gene Symbol	CSNK1A1
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within human Casein Kinase 1 alpha aa 1-337 / 337. (Uniprot: P48729)

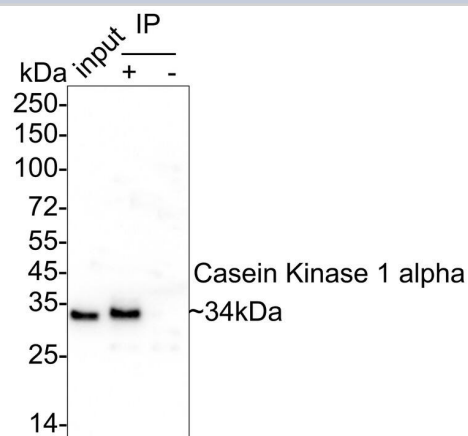
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000, Flow Cytometry 1:1000, Immunocytochemistry/ Immunofluorescence 1:500, Immunoprecipitation 1-2ug/sample

Images

Immunoprecipitation: Casein Kinase 1 alpha Antibody (PSH04-46) [NBP3-32107] - Casein Kinase 1 alpha was immunoprecipitated from 0.2 mg HeLa cell lysate with NBP3-32107 at 2 ug/25 ul agarose. Western blot was performed from the immunoprecipitate using NBP3-32107 at 1/1,000 dilution. Anti-Rabbit IgG for IP Nano-secondary antibody at 1/5,000 dilution was used for 1 hour at room temperature.

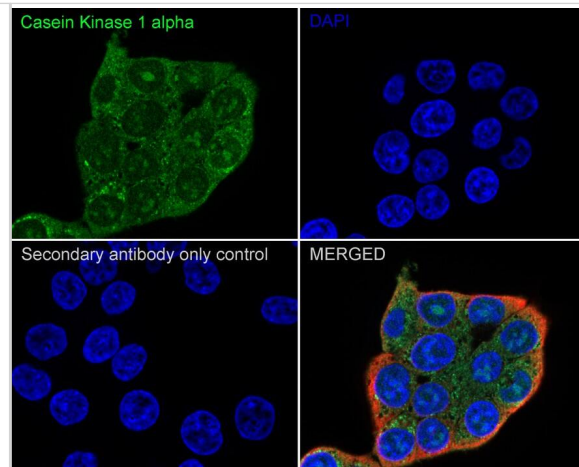
Lane 1: HeLa cell lysate (input)
 Lane 2: NBP3-32107 IP in HeLa cell lysate
 Lane 3: Rabbit IgG instead of NBP3-32107 in HeLa cell lysate

Blocking/Dilution buffer: 5% NFDm/TBST
 Exposure time: 1 minute 11 seconds; ECL



Immunocytochemistry/ Immunofluorescence: Casein Kinase 1 alpha Antibody (PSH04-46) [NBP3-32107] - Immunocytochemistry analysis of HCT 116 cells labeling Casein Kinase 1 alpha with Rabbit anti-Casein Kinase 1 alpha antibody (NBP3-32107) at 1/500 dilution.

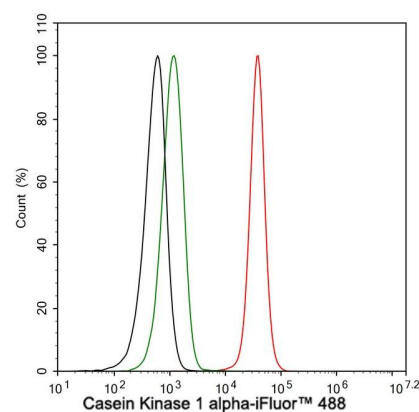
Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-Casein Kinase 1 alpha antibody (NBP3-32107) at 1/500 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



Beta tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.

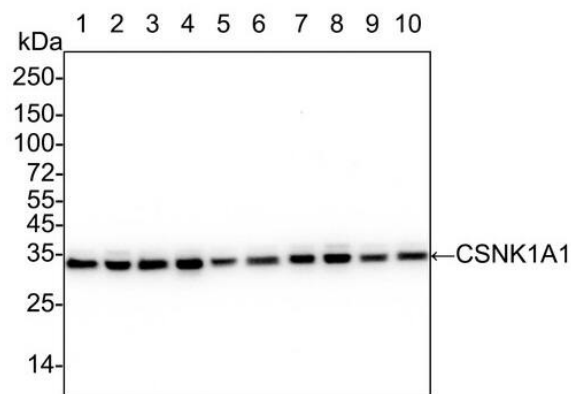
Flow Cytometry: Casein Kinase 1 alpha Antibody (PSH04-46) [NBP3-32107] - Flow cytometric analysis of HCT 116 cells labeling Casein Kinase 1 alpha.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32107, 1 µg/mL) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4 °C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4 °C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).



Western Blot: Casein Kinase 1 alpha Antibody (PSH04-46) [NBP3-32107] - Western blot analysis of Casein Kinase 1 alpha on different lysates with Rabbit anti-Casein Kinase 1 alpha antibody (NBP3-32107) at 1/2,000 dilution.

Lane 1: HCT 116 cell lysate (20 µg/Lane)
 Lane 2: HeLa cell lysate (20 µg/Lane)
 Lane 3: HEK-293 cell lysate (20 µg/Lane)
 Lane 4: MCF7 cell lysate (20 µg/Lane)
 Lane 5: Jurkat cell lysate (20 µg/Lane)
 Lane 6: NIH/3T3 cell lysate (20 µg/Lane)
 Lane 7: RAW264.7 cell lysate (20 µg/Lane)
 Lane 8: PC-12 cell lysate (20 µg/Lane)
 Lane 9: Mouse brain tissue lysate (40 µg/Lane)
 Lane 10: Rat brain tissue lysate (40 µg/Lane)



Predicted band size: 39 kDa
 Observed band size: 34 kDa

Exposure time: 15 seconds; ECL;
 4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody at 1/2,000 dilution was used in 5% NFDN/TBST at 4 °C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.



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Products Related to NBP3-32107

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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