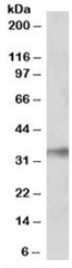
NIMA Related Kinase 7 Antibody / Cell Cycle Kinase Antibody (R33252)

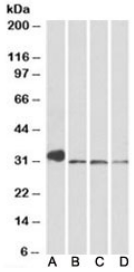
Catalog No.	Formulation	Size
R33252-100UG	0.5 mg/ml in 1X TBS, pH7.3, with 0.5% BSA (US sourced) and 0.02% sodium azide	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Predicted Reactivity	Dog, Cow
Format	Antigen affinity purified
Host	Goat
Clonality	Polyclonal (goat origin)
Isotype	Goat Ig
Purity	Antigen affinity
Gene ID	140609
Applications	Western Blot : 0.1-0.3ug/ml ELISA (peptide) LOD : 1:32000
Limitations	This NIMA Related Kinase 7 Antibody / Cell Cycle Kinase Antibody is available for research use only.



NIMA Related Kinase 7 Antibody Human Lung WB. Western blot testing of human lung tissue lysate with NIMA Related Kinase 7 Antibody at 0.1 ug/ml. Predicted molecular weight: ~34 kDa. NIMA Related Kinase 7 Antibody / Cell Cycle Kinase Antibody detects endogenous NEK7 expression and supports studies of mitotic regulation, centrosome function, kinase signaling and cell cycle control pathways.



NIMA Related Kinase 7 Antibody Rat and Mouse Tissue WB. Western blot testing of mouse lung, mouse testis, rat lung and rat testis tissue lysates with NIMA Related Kinase 7 Antibody at 0.3 ug/ml. Lane A: mouse lung; Lane B: mouse testis; Lane C: rat lung; Lane D: rat testis. Predicted molecular weight: ~34 kDa. NIMA Related Kinase 7 Antibody / Cell Cycle Kinase Antibody detects endogenous NEK7 expression and supports studies of mitotic regulation, kinase signaling, centrosome function and cell cycle control pathways.

Description

NIMA Related Kinase 7 Antibody / Cell Cycle Kinase Antibody detects NEK7, a member of the NIMA-related kinase family involved in mitotic regulation, microtubule organization and innate immune signaling. NIMA Related Kinase 7 is a serine/threonine kinase that contributes to centrosome separation, spindle assembly and proper progression through cell division. By regulating structural events required for mitosis, NEK7 supports chromosome segregation and maintenance of normal cell cycle control. In addition to its established cell cycle functions, NEK7 is recognized as an important regulator of NLRP3 inflammasome activation and inflammatory signaling pathways.

NEK7 belongs to a conserved kinase family originally identified through roles in mitotic entry and cell division regulation. NIMA Related Kinase 7 influences microtubule dynamics and mitotic spindle formation, processes required for accurate distribution of genetic material during cell division. Kinase-dependent regulation of these pathways allows cells to coordinate structural remodeling with cell cycle progression. NIMA Related Kinase 7 Antibody is commonly used by researchers studying kinase signaling, mitotic control, centrosome biology and cell cycle regulation.

Research involving NEK7 has expanded beyond cell division into immunology and inflammatory pathway research. NEK7 interaction with the NLRP3 inflammasome complex provides a molecular link between cellular stress responses and innate immune activation. Because of its dual role in mitotic processes and inflammatory signaling, NEK7 is studied in areas including cancer biology, immune regulation and cellular stress pathways. Understanding NEK7 function helps researchers investigate how kinase activity coordinates diverse cellular responses.

NIMA Related Kinase 7 Antibody applications include detection of NEK7 expression, localization and regulation in biological samples using techniques such as Western blot, immunohistochemistry, immunofluorescence, immunoprecipitation and flow cytometry. Analysis of NEK7 supports research into cell cycle progression, mitotic kinase signaling, NLRP3 inflammasome regulation and innate immune pathways. NSJ Bioreagents provides NIMA Related Kinase 7 Antibody / Cell Cycle Kinase Antibody for researchers studying kinase function, cell division and cellular signaling mechanisms.

NIMA Related Kinase 7 Antibody detects the NEK7 cell cycle kinase involved in mitotic regulation, centrosome function and NLRP3 inflammasome signaling; additional innate immunity research tools are available on our NEK7 Antibody / Inflammasome Activation Protein Antibody page.

Application Notes

Optimal dilution of the NIMA Related Kinase 7 Antibody / Cell Cycle Kinase Antibody should be determined by the researcher.

Immunogen

Amino acids CINPDPEKRPDVT were used as the immunogen for this NEK7 / NIMA Related Kinase 7 antibody.

Storage

Aliquot and store the NEK7 / NIMA Related Kinase 7 antibody at -20oC.

Alternate Names

NEK7 Antibody, NIMA-Related Kinase 7 Antibody, Never in Mitosis A Related Kinase 7 Antibody, Serine Threonine Kinase NEK7 Antibody, Mitotic Kinase

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