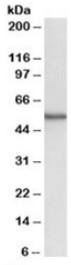
NDR1 Antibody / Nuclear Dbf2-related kinase 1 / STK38 (R34579)

Catalog No.	Formulation	Size
R34579-100UG	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, Rat
Predicted Reactivity	Dog, Pig, Cow
Format	Antigen affinity purified
Clonality	Polyclonal (goat origin)
Isotype	Goat Ig
Purity	Antigen affinity
Gene ID	11329
Applications	Western Blot : 0.5-2ug/ml ELISA (peptide) LOD : 1:32000
Limitations	This NDR1 antibody is available for research use only.



Western blot testing of human spleen lysate with NDR1 antibody at 0.5ug/ml. Predicted molecular weight: ~54 kDa.

Description

Nuclear Dbf2 related kinase 1, also known as NDR1, NDR kinase one, STK38 and Serine/threonine-protein kinase 38, is a serine threonine protein kinase that plays a central role in the regulation of cell proliferation, apoptosis, and morphogenesis. It is a member of the NDR family of AGC kinases and is widely expressed in human tissues, particularly in those undergoing active growth and differentiation.

Nuclear Dbf2 related kinase 1 is activated through phosphorylation by upstream kinases in the Hippo signaling pathway, a

key regulator of organ size and tissue homeostasis. Once activated, it controls various downstream targets involved in cytoskeletal organization, mitotic exit, and gene expression. It also interacts with scaffold proteins such as MOB one to ensure proper signal transduction.

In human cells, Nuclear Dbf2 related kinase 1 has been shown to regulate centrosome duplication, chromosome alignment, and programmed cell death. It also plays a role in neuronal development and immune function. Disruption or dysregulation of its activity has been associated with tumorigenesis, neurodevelopmental disorders, and other diseases linked to aberrant cell cycle control.

Because of its conserved role in signaling networks and its emerging importance in cancer biology and regenerative medicine, human Nuclear Dbf2 related kinase 1 is a valuable target for research and drug development.

Application Notes

Optimal dilution of the NDR1 antibody should be determined by the researcher.

Immunogen

Amino acids KPTVATSNHPET were used as the immunogen for this NDR1 antibody.

Storage

Aliquot and store the NDR1 antibody at -20oC.