

Rabbit NDR1/2 Polyclonal Antibody | anti-NDR1/2 antibody

Phospho-NDR1/2 (Thr444/Thr442) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329738	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (100%)	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NDR1/2; Polyclonal Antibody; Phospho-NDR1/2 (Thr444/Thr442) Antibody; NDR 1; NDR; Ndr Ser/Thr kinase-like protein; NDR1; NDR1 protein kinase; Nuclear Dbf2 related kinase 1; nuclear Dbf2-related 1; Nuclear Dbf2-related kinase 1; Nuclear Dbf2-related protein; Serine/threonine protein kinase 38; Serine/threonine-protein kinase 38; STK 38; STK38; STK38_HUMAN; KIAA0965; NDR2; NDR2 protein kinase; nuclear Dbf2 related 2; Nuclear Dbf2 related kinase 2; Nuclear Dbf2-related kinase 2; Serine/threonine protein kinase 38 like; Serine/threonine-protein kinase 38-like; ST38L_HUMAN; Stk38l; anti-NDR1/2 antibody

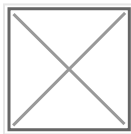
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-NDR1/2 (Thr444/Thr442) Antibody detects endogenous levels of NDR1/2 only when phosphorylated at Thr444/442. Tissue Specificity: Ubiquitously expressed with highest levels observed in the thymus.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-NDR1/2 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NDR1/2 around the phosphorylation site of Thr444/442.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	ISGylated. Phosphorylated by STK3/MST2 and this is enhanced by MOBKL1B.
Subunit Structure	Homodimeric S100B binds two molecules of STK38L. Interacts with MICAL1; leading to inhibit the protein kinase activity by antagonizing activation by MST1/STK4 (By similarity). Interacts with MOB1 and MOB2.
Similarity	Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family.
Subcellular Location	Cytoplasm. Cytoplasm>Cytoskeleton. Membrane. Note: Associated with the actin cytoskeleton. Co-localizes with STK24/MST3 in the membrane.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
At 1/200 staining Human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/200 staining Mouse kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/200 staining Rat lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis NDR1/2 (Phospho-Thr444/442) using EGF treated HepG2 whole cell lysates. -/+ means absence or presence of N peptide(1/4 non-phospho peptide) and P peptide(phospho peptide).



WB (Western Blot)
Western blot analysis of extracts from Hepg2, using NDR1/2 (Phospho-Thr444/442) Antibody. Lane 1 was treated with the blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-NDR1/2 antibody	Involved in the regulation of structural processes in differentiating and mature neuronal cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6005814
NCBI GeneID	11329
NCBI Accession #	NP_009202.1
NCBI GenBank Nucleotide #	NM_007271.2
UniProt Accession #	Q15208; Q9Y2H1
Molecular Weight	54,190 Da
NCBI Official Full Name	serine/threonine-protein kinase 38
NCBI Official Synonym Full Names	serine/threonine kinase 38
NCBI Official Symbol	STK38
NCBI Official Synonym Symbols	NDR; NDR1
NCBI Protein Information	serine/threonine-protein kinase 38; STK38; NDR1 protein kinase; nuclear Dbf2-related 1; nuclear Dbf2-related kinase 1; Ndr Ser/Thr kinase-like protein; serine threonine protein kinase
UniProt Protein Name	Serine/threonine-protein kinase 38
UniProt Gene Name	STK38
UniProt Entry Name	STK38_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ndr1-2-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/329738>