

Product name:	NDR1/2 (Phospho-Thr444/442) Rabbit Polyclonal Antibody
Cat number:	ABN05817
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthesized peptide derived from human NDR1/2 (Phospho-Thr444/442)
Reactivity:	Human, Mouse, Rat
Applications:	WB 1:500-1:2000
Molecular Weight:	51kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	catalytic activity:ATP + a protein = ADP + a phosphoprotein., cofactor:Magnesium., enzyme regulation:Activated by binding of S100B which releases autoinhibitory N-lobe interactions, enabling ATP to bind and the autophosphorylation of Ser-281. Thr-444 then undergoes calcium-dependent phosphorylation by an upstream kinase. Interactions between phosphorylated Thr-444 and the N-lobe promote additional structural changes that complete the activation of the kinase. Autoinhibition is also released by the binding of MOB1/MOBKL1A and MOB2/HCCA2 to the N-terminal of STK38., similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family., similarity:Contains 1 AGC-kinase C-terminal domain., similarity:Contains 1 protein kinase domain., subcellular location:Low levels present in the cytoplasm., subunit:Homodimeric S100B binds two molecules of STK38. Interacts with MOB1 and MOB2., tissue specificity:Ubiquitously expressed with highest levels observed in peripheral blood leukocytes.,