ARG43419
anti-NDR1 phospho (Thr444) + NDR2 phospho (Thr442) antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NDR1 phospho (Thr444) + NDR2 phospho (Thr442)
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NDR1 + NDR2
Species	Human
Immunogen	KLH-conjugated phosphospecific peptide around Thr444 of Human NDR1 or around Thr442 of Human NDR2.
Conjugation	Un-conjugated
Alternate Names	NDR1: Nuclear Dbf2-related kinase 1; NDR1 protein kinase; Serine/threonine-protein kinase 38; EC 2.7.11.1; NDR NDR2: Serine/threonine-protein kinase 38-like; EC 2.7.11.1; Nuclear Dbf2-related kinase 2; NDR2 protein kinase

Application Instructions

Application table

Application	Dilution
WB	1:1000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	HepG2 + EGF
Observed Size	~ 54 kDa

Properties

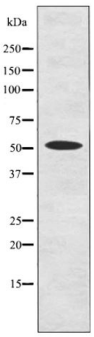
Form	Liquid
Purification	Affinity purification with phospho-specific peptide and the non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Buffer	PBS (pH 7.4, without Mg2+ and Ca2+), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	STK38; STK38L
Gene Full Name	serine/threonine kinase 38 serine/threonine kinase 38 like
Background	NDR1: This gene encodes a member of the AGC serine/threonine kinase family of proteins. The kinase activity of this protein is regulated by autophosphorylation and phosphorylation by other upstream kinases. This protein has been shown to function in the cell cycle and apoptosis. This protein has also been found to regulate the protein stability and transcriptional activity of the MYC oncogene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015]
Function	NDR1: Negative regulator of MAP3K1/2 signaling. Converts MAP3K2 from its phosphorylated form to its non-phosphorylated form and inhibits autophosphorylation of MAP3K2. [UniProt] NDR2: Involved in the regulation of structural processes in differentiating and mature neuronal cells. [UniProt]
Calculated Mw	NDR1 and NDR2: 54 kDa
PTM	NDR1: ISGylated; Phosphorylated by STK3/MST2 and this is enhanced by MOBKL1B. [UniProt]
Cellular Localization	NDR1: Nucleus. Cytoplasm. [UniProt] NDR2: Cytoplasm. Cytoplasm, cytoskeleton. Membrane. Note=Associated with the actin cytoskeleton. Co-localizes with STK24/MST3 in the membrane. [UniProt]

Images



HepG2 + EGF

ARG43419 anti-NDR1 phospho (Thr444) + NDR2 phospho (Thr442) antibody WB image

Western blot: EGF treated HepG2 whole cell lysate stained with ARG43419 anti-NDR1 phospho (Thr444) + NDR2 phospho (Thr442) antibody.