

# Immunotag™ STK38 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN1258
Product Description	Immunotag™ STK38 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	STK38
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from human protein . at AA range: 220-300
Specificity	STK38 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	STK38 NDR1
Accession No.	Q15208 Q91VJ4
Description	serine/threonine kinase 38(STK38) Homo sapiens 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],

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Protein Expression	Cervix carcinoma,Fetal brain,Muscle,Placenta,Uterus,
Subcellular Localization	nucleus,cytoplasm,cell-cell adherens junction,MLL5-L complex,
Protein Function	<p>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.,</p>
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.