bs-6257R

[Primary Antibody]

Bioss ANTIBODIES

STK38 Rabbit pAb

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- DATASHEET -

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 11329 **SWISS:** Q15208

Target: STK38

Immunogen: KLH conjugated synthetic peptide derived from human STK38:

31-130/465.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: STK38 belongs to the NDR family of serine/threonine protein

kinases. NDR kinases require the phosphorylation of conserved Ser/Thr residues for activation. NDR family members have two unique stretches of primary sequence: an N-terminal regulatory (NTR) domain and an insert of several residues between subdomains VII and VIII of the kinase domain. The kinase domain insert functions as an auto-inhibitory sequence (AIS), while binding of the co-activator MOB (Mps-one binder) proteins to the NTR

domain releases NDR kinases from inhibition of autophosphorylation. STK38 negatively regulates the activation of

MEKK1/2 by direct interaction with the catalytic domain of MEKK1/2. The negative regulation of MEKK1/2 is not due to its

phosphorylation by STK38.

Applications: WB (1:500-2000)

IHC-P (1:100-500) **IHC-F** (1:100-500) **IF** (1:100-500)

Reactivity: Human, Mouse

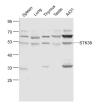
(predicted: Rat, Pig, Cow, Chicken, Dog, GuineaPig,

Horse)

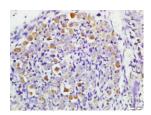
Predicted MW.: 51 kDa

Subcellular Cytoplasm , Nucleus

VALIDATION IMAGES



Sample: Spleen (Mouse) Lysate at 40 ug Lung (Mouse) Lysate at 40 ug Thymus (Mouse) Lysate at 40 ug Thymus (Mouse) Lysate at 40 ug Testis (Mouse) Lysate at 40 ug A431(Human) Cell Lysate at 30 ug Primary: Anti-STK38 (bs-6257R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51 kD Observed band size: 51 kD



Tissue/cell: mouse embryo tissue; 4%
Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-STK38 Polyclonal Antibody, Unconjugated(bs-6257R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining