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## Phospho-TIE2 (Tyr1108) Rabbit pAb

Catalog Number: bs-12262R

Target Protein: Phospho-TIE2 (Tyr1108)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted:Rabbit, Pig, Sheep, Cow, Chicken, Dog, Horse)

Predicted MW: 124 kDa

Subcellular: Secreted ,Extracellular matrix ,Cell membrane ,Cytoplasm

Locations:

Entrez Gene: 7010

Swiss Prot: Q02763

Source: KLH conjugated Synthesised phosphopeptide derived from human TIE2 around the phosphorylation site of Tyr1108: TL(p-Y)EK.

Purification: affinity purified by Protein A

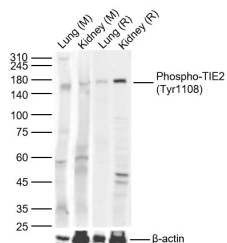
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

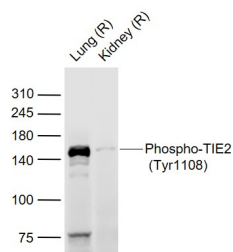
**Background:** The TEK receptor tyrosine kinase is expressed almost exclusively in endothelial cells in mice, rats, and humans. This receptor possesses a unique extracellular domain containing 2 immunoglobulin-like loops separated by 3 epidermal growth factor-like repeats that are connected to 3 fibronectin type III-like repeats. The ligand for the receptor is angiopoietin-1. Defects in TEK are associated with inherited venous malformations; the TEK signaling pathway appears to be critical for endothelial cell-smooth muscle cell communication in venous morphogenesis. TEK is closely related to the TIE receptor tyrosine kinase.

### VALIDATION IMAGES

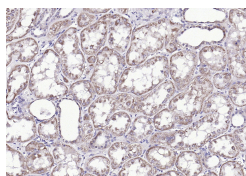
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Sample: Lane 1: Mouse Lung Lysates Lane 2: Mouse Kidney Lysates Lane 3: Rat Lung Lysates Lane 4: Rat Kidney Lysates Primary: Anti-Phospho-TIE2 (Tyr1108)(bs-12262R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 124kDa Observed band size: 160kDa



Sample: Lane 1: Lung (Rat) Lysate at 40 ug Lane 2: Kidney (Rat) Lysate at 40 ug Primary: Anti-Phospho-TIE2 (Tyr1108) (bs-12262R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 140 kD Observed band size: 140 kD



Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-TIE2 (Tyr1108)) Polyclonal Antibody, Unconjugated (bs-12262R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.