bs-23638R **[Primary Antibody]**

TIE2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 7010 **SWISS:** Q02763

Target: TIE2

Immunogen: KLH conjugated synthetic peptide derived from human TIE2: 1-100/120. < Extracellular >

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: 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.

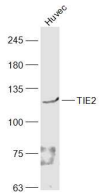
Applications: **WB** (1:500-2000)

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

Predicted MW.: 124 kDa

Subcellular Location: Secreted ,Extracellular matrix ,Cell membrane ,Cytoplasm

VALIDATION IMAGES



Sample: HUVEC(Human) Cell Lysate at 30 ug
Primary: Anti-TIE2 (bs-23638R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 124 kD
Observed band size: 124 kD

SELECTED CITATIONS

- **[IF=6.208]** Yongxin Guo. et al. Beneficial Effects of Oleosomes Fused with Human Fibroblast Growth Factor 1 on Wound Healing via the Promotion of Angiogenesis. INT J MOL SCI. 2022 Jan;23(21):13152 WB ;Rat, Human. 36361940
- **[IF=3.072]** Xue Y et al. miR - 205 - 5p inhibits psoriasis - associated proliferation and angiogenesis: Wnt/β-catenin and mitogen - activated protein kinase signaling pathway are involved. J Dermatol . 2020 Aug;47(8):882-892. WB ;Mouse&Human. 32525225