

bs-3468R**[Primary Antibody]****phospho-VEGFR2 (Tyr1175) Rabbit pAb****Bioss**
ANTIBODIES

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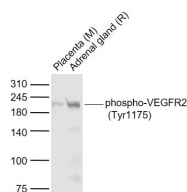
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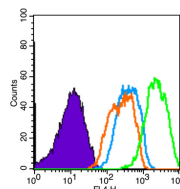
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) Flow-Cyt (2ug/test)
Clonality: Polyclonal		
GeneID: 3791	SWISS: P35968	Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Dog, Horse)
Target: VEGFR2 (Tyr1175)		Predicted MW.: 147 kDa
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human VEGFR2 around the phosphorylation site of Tyr1175: KD(p-Y)IV.		Subcellular Location: Secreted ,Cell membrane ,Cytoplasm ,Nucleus
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: Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert domain receptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin $\alpha V\beta 3$, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas. [provided by RefSeq, May 2009].		

— VALIDATION IMAGES —

Sample: Lane 1: Placenta (Mouse) Lysate at 40 ug
Lane 2: Adrenal gland (Rat) Lysate at 40 ug
Primary: Anti-phospho-VEGFR2 (Tyr1175) (bs-3468R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 147 kD
Observed band size: 220 kD



Blank control: Huvec. Primary Antibody (green line): Rabbit Anti-phospho-VEGFR2 (Tyr1175) antibody (bs-3468R) Dilution: 2µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=3]** Jing Xu. et al. Analyzing How Zhizi Baipi Decoction Regulates VEGF to Suppress RA Angiogenesis Using Network Pharmacology and Experimental Validation. PHYTOCHEMICAL ANALYSIS. 2025 Jan 14. Western blot ; Rat. 39810401

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.