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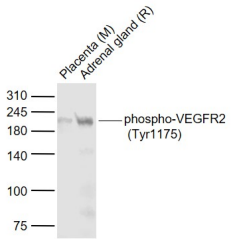
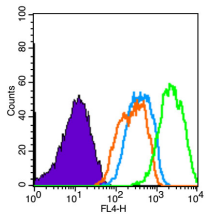
phospho-VEGFR2 (Tyr1175) Rabbit pAb

Catalog Number:	bs-3468R
Target Protein:	phospho-VEGFR2 (Tyr1175)
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), Flow-Cyt (2ug/test)
Reactivity:	Human, Mouse, Rat (predicted:Rabbit, Pig, Cow, Dog, Horse)
Predicted MW:	147 kDa
Entrez Gene:	3791
Swiss Prot:	P35968
Source:	KLH conjugated Synthesised phosphopeptide derived from human VEGFR2 around the phosphorylation site of Tyr1175: KD(p-Y)IV.
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:	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 alphaVbeta3, 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 /10^6 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.