

VEGFR1 (Phospho-Tyr1242) Ab

Cat.#: AF8130	Concn.: 1mg/ml	Mol.Wt.: 180kDa
Size: 50ul,100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application: WB 1:1000-3000, IF/ICC 1:100-1:500

Reactivity: Human

Purification: The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

Specificity: VEGFR1 (Phospho-Tyr1242) Ab detects endogenous levels of VEGFR1 only when phosphorylated at Tyr1242

Immunogen: A synthesized peptide derived from human VEGFR1 (Phospho-Tyr1242)

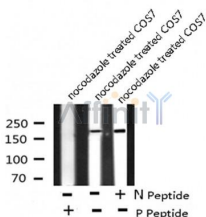
Uniprot: P17948

Subcellular Location: Secreted and Cell membrane.

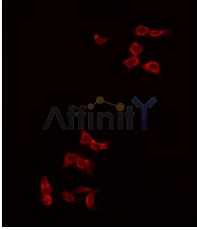
Tissue Specificity: Detected in normal lung, but also in placenta, liver, kidney, heart and brain tissues. Specifically expressed in most of the vascular endothelial cells, and also expressed in peripheral blood monocytes. Isoform 2 is strongly expressed in placenta. Isoform 3 is expressed in corneal epithelial cells (at protein level). Isoform 3 is expressed in vascular smooth muscle cells (VSMC).

Similarity: The second and third Ig-like C2-type (immunoglobulin-like) domains are sufficient for VEGFA binding. Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.

Storage Condition and Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt



Western blot analysis VEGFR1 (Phospho-Tyr1242) using noco-dazole treated COS7 whole cell lysates



AF8130 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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