

VEGFR2/Flk-1 (phospho-Y1214) polyclonal antibody

Catalog: BS4206

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

Three cell membrane receptor tyrosine kinases, Flt (also designated VEGF-R1), Flk-1 (also designated VEGF-R2) and Flt-4, putatively involved in the growth of endothelial cells, are characterized by the presence of seven immunoglobulinlike sequences in their extracellular domain. These receptors exhibit high degrees of sequence relatedness to each other as well as lesser degrees of relatedness to the class III receptors including CSF-1/Fms, PDGR, SLFR/Kit and Flt-3/Flk-2. Two members of this receptor class, Flt-1 and Flk-1, have been shown to represent high affinity receptors for vascular endothelial growth factors (VEGFs). On the basis of structural similarity to Flt and Flk-1, it has been speculated that Flt-4 might represent a third receptor for either VEGF or a VEGF-related ligand.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 230 kDa

Swiss-Prot:

P35968

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF/ICC: 1:50~1:200

Storage&Stability:

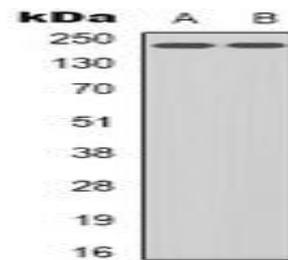
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

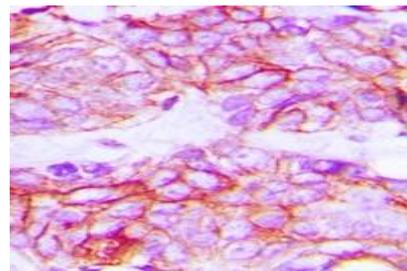
p-VEGFR2/Flk-1 (Y1214) polyclonal antibody detects

endogenous levels of VEGFR2/Flk-1 protein only when phosphorylated at Tyr1214

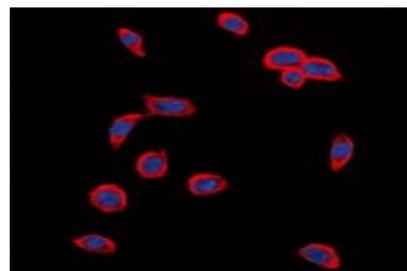
DATA:



Western blot analysis of VEGFR2 (pY1214) expression in HuvEc (A), HepG2 (B) whole cell lysates.



Immunohistochemistry (IHC) analyzes of p-VEGFR2/Flk-1 (Y1214) pAb in paraffin-embedded human breast carcinoma tissue.



Immunofluorescent analysis of VEGFR2 (pY1214) staining in MCF cells.

Note:

For research use only, not for use in diagnostic procedure.

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