PROK1 polyclonal antibody

Catalog: BS60468 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Endocrine gland-derived vascular endothelial growth factor (EG-VEGF) induces proliferation,migration and fenestration in capillary endothelialcells derived from endocrine glands. EG-VEGF possesses a HIF-1 binding site; its expression isinduced by hypoxia and restricted to the steroidogenic glands(ovary,testis, adrenal and placenta). EG-VEGF expression is often complementary to the expression of VEGF,suggesting that these moleculesfunction in a coordinatedmanner. EG-VEGFis an example of a class of highly specificmitogensthat act to regulate proliferation and differentiation of the vascular endothelium in a tissue-specific manner. EG-VEGFis expressed largely in one type of tissue and actsselectively on one type of endothelium. EG-VEGF, possiblythrough binding to a G protein-coupled receptor, resultsin the activation of-MAPK p44/42 and phosphatidylinositol 3-kinase signaling pathways, leading to proliferation,migration and survival of responsive endothelialcells.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 12 kDa

Swiss-Prot:

P58294

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

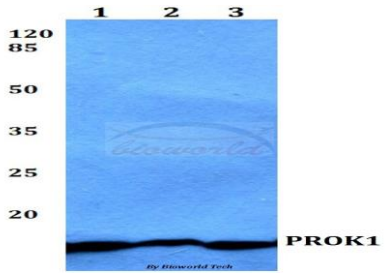
Storage&Stability:

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

Specificity:

PROK1 polyclonal antibody detects endogenous levels of PROK1 protein.

DATA:



Western blot (WB) analysis of PROK1 polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:PC12 whole cell lysate

Note:

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

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