

IP Receptor (H237) polyclonal antibody

Catalog: BS3196

Host: Rabbit

Reactivity: Human

BackGround:

Cyclooxygenases metabolize arachidonate to five primary prostanoids: PGE₂, PGF₂α, PGI₂, TXA₂ and PGD₂. These lipid mediators interact with specific members of G protein-coupled prostanoid receptors, designated EP, FP, IP, TP and DP, respectively. The IP Receptor binds prostacyclin, PGI₂, the main prostanoid synthesized by vascular tissues. First discovered in 1976, prostacyclin is involved in platelet aggregation inhibition, vasodilatation and cytoprotection, and either prostacyclin or its analogs are used in the treatment of hypertension. Upon binding to the IP Receptor, prostacyclin activates adenylate cyclase primarily through the Gas protein. The gene encoding the human IP Receptor is located on chromosome 19. It is expressed as a glycosylated and phosphorylated protein, which is abundantly expressed in vascular tissues such as aorta, lung, atrium and ventricle, as well as in kidney, thymus, spleen and neurons.

Product:

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

Molecular Weight:

~ 50 kDa

Swiss-Prot:

P43119

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

IF: 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:

IP Receptor (H237) polyclonal antibody detects endogenous levels of IP Receptor protein.

DATA:



Western blot (WB) analysis of IP Receptor (H237) pAb at 1:500 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:PC3 whole cell lysate(40ug)

Lane3:SGC7901 whole cell lysate(40ug)

Lane4:PC12 whole cell lysate(40ug)

Lane5:3T3-L1 whole cell lysate(40ug)

Note:

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

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