Purified Rabbit Anti-KSHV GPCR

Catalog Number: TP505

Lot Number: 022100

Content: Protein A purified rabbit IgG, 200 µg, with 0.1% sodium azide, lyophilized.

(Reconstitute to 1 mg/ml by adding 200 µl H₂O)

Product Description and Usage: For research use only. This polyclonal antibody, which reacts with the KSHV GPCR, was generated using an E. coli-expressed KSHV GPCR N-terminal fragment (amino acids 1-41) as immunogen. The antibody recognizes the KSHV GPCR expressed in transfected cells using flow cytometry.

Storage Condition: 4°C for short term storage or -20°C in small aliquots for long term storage. Avoid repeated freeze and thaw.

Background: Kaposi’s carcoma-associated herpesvirus (KSHV, or human herpesvirus 8, HHV8), is a gamma herpesvirus that contain an open reading frame encoding a G protein-coupled receptor (GPCR) with putative 7 transmembrane domains. This GPCR has been shown to bind a number of chemokines including IL-8, NAP-2, PF-4, MGSA/Groα, I-309, RANTES, MCP-1, and MIP-1β. The receptor is constitutively activated without chemokine binding, and it stimulates cell proliferation. KSHV GPCR is also a viral oncogene that stimulates angiogenesis through induction of VEGF expression. IP-10, a chemokine, can inhibit constitutively activated KSHV GPCR.

References:

