PRODUCT DATA SHEET

Product: Anti-EDG-7 (CT) Polyclonal

Cat. No: PC-088 (100 µg)

Background:
EDG-7 belongs to a family of G-protein coupled receptors whose lignads are lysophospholipids. The ligand for EDG-7 sphingosine-1-phosphate. There are 8 known members of the EDG receptor family and they are implicated in mediating growth related effects such as induction of cellular proliferation, alterations in differentiation and survival and suppression of apoptosis. They also evoke cellular effector functions that are dependent on cytoskeletal responses such as contraction, secretion, adhesion and chemotaxis. EDG receptors are developmentally regulated and differ in tissue distribution. They couple to multiple types of G proteins to signal through ras and MAP kinase, rho, phospholipase C and several protein tyrosine kinases. EDG-7 is expressed in prostate as well as other tissues.

Specificity:
Reacts with EDG-7.

Species Reactivity:
Human, other species not tested.

Ig Isotype: IgG

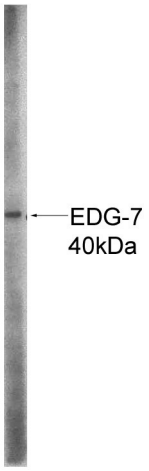
Immunogen:
Synthetic peptide derived from the C-terminal of the EDG-7 receptor.

Format:
Rabbit polyclonal antibody against human EDG-7 (CT). Available at 100 µg/100 µl in PBS with 0.08% sodium azide. Purification: Sterile filtered at 0.2µm.

Storage and Stability:
Stable for up to 2 weeks at 4°C. Recommend storing at -20°C. Stable for one year when stored at -20°C. Avoid freeze/thaw cycles.

Applications and Suggested Dilutions:
- Western Blot: Use at 5-10 µg/ml using a human EDG-7 receptor transfected cell line.

The optimal dilution for a specific application should be determined by the researcher.



Western blot analysis using anti-EDG-7 (CT) on RH7777 cell lysates transfected with full length human EDG-7.

Limitations:
For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:
No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.