



Lysophosphatidic Acid Receptor 2 (EDG-4) Control Lysate

BACKGROUND

EDG4 (LPA2) belongs to a family of G-protein coupled receptors whose ligands are lysophospholipids. The ligand for EDG4 is lysophospholipid. There are 6 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. EDG4 is expressed in testes, ovarian tumor and leukocyte containing tissues.

ORDERING INFORMATION

CATALOG NUMBER

X1219C

SIZE

100 μ l

CUSTOMER STORAGE

Product should be stored at -20°C.
Aliquot to avoid freeze/thaw cycles

FORMULATION

Provided in 10% glycerol, 0.063 M Tris-HCl (pH 6.8), 2% SDS and 0.002% bromophenol blue, 5% 2-mercaptoethanol

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STABILITY

Products are stable for one year from purchase when stored properly

COMMENTS

For use as a positive control with Exalpa's EDG4 (NT) monoclonal antibody (Cat. No. C180M) for Western blot analysis. Will not work with EDG4 (CT) antibody (Cat. No. C181M).. Grown in RH7 cells.

INSTRUCTIONS

Use 10-20 μ l of EDG-4 cell lysate (Cat. No. X1219C) per lane as a control for using EDG4 (NT) antibody (Cat. No. C180M). Due to low expression of EDG receptors, we recommend use of Pierce Femto Signal substrate for western blot development.