Datasheet for ABIN6257154
anti-EDG4 antibody (C-Term)

Overview

Quantity: 100 μL
Target: EDG4 (LPAR2)
Binding Specificity: C-Term
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Conjugate: This EDG4 antibody is un-conjugated
Application: Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen: A synthesized peptide derived from human EDG4, corresponding to a region within C-terminal amino acids.
Isotype: IgG
Specificity: EDG4 Antibody detects endogenous levels of total EDG4.
Predicted Reactivity: Sheep
Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target: EDG4 (LPAR2)
Target Details

Alternative Name: LPAR2 (LPAR2 Products)

Background: Description: Receptor for lysophosphatidic acid (LPA), a mediator of diverse cellular activities. Seems to be coupled to the G(i)/G(o), G(12)/G(13), and G(q) families of heteromeric G proteins. Plays a key role in phospholipase C-beta (PLC-beta) signaling pathway. Stimulates phospholipase C (PLC) activity in a manner that is independent of RALA activation.

Gene: LPAR2

Molecular Weight: 39 kDa

Gene ID: 9170

UniProt: Q9HBW0

Application Details

Application Notes: WB 1:500-1:1000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt.

Expiry Date: 12 months
**Immunofluorescence (fixed cells)**

**Image 1.** ABIN6275932 staining COLO205 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.