# Anti-EDG-4 antibody

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| **Description** | Rabbit polyclonal to EDG-4. |

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| **Model** | STJ92829 |
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse, Simian |
| **Applications** | ELISA, IF, WB |
| **Immunogen** | Synthesized peptide derived from human EDG-4 |
| **Immunogen Region** | 250-330 aa, C-terminal |
| **Gene ID** | 9170 |
| **Gene Symbol** | LPAR2 |
| **Dilution range** | WB 1:500-1:2000IF 1:200-1:1000ELISA 1:40000 |
| **Specificity** | EDG-4 Polyclonal Antibody detects endogenous levels of EDG-4 protein. |
| **Tissue Specificity** | Expressed most abundantly in testes and peripheral blood leukocytes with less expression in pancreas, spleen, thymus and prostate. Little or no expression in heart, brain, placenta, lung, liver, skeletal muscle, kidney, ovary, small intestine, or colon. |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Note** | For Research Use Only (RUO). |
| **Protein Name** | Lysophosphatidic acid receptor 2 LPA receptor 2 LPA-2 Lysophosphatidic acid receptor Edg-4 |

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| **Molecular Weight** | 39 kDa |
| **Clonality** | Polyclonal |
| **Conjugation** | Unconjugated |
| **Isotype** | IgG |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Concentration** | 1 mg/ml |
| **Storage Instruction** | Store at -20°C, and avoid repeat freeze-thaw cycles. |
| **Database Links** | HGNC:3168OMIM:605110 |
| **Alternative Names** | Lysophosphatidic acid receptor 2 LPA receptor 2 LPA-2 Lysophosphatidic acid receptor Edg-4 |
| **Function** | 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. |
| **Cellular Localization** | Cell surface Cell membrane. Prior to LPA treatment found predominantly at the cell surface but in the presence of LPA colocalizes with RALA in the endocytic vesicles. |