

## Product datasheet for **TA350844**

### EDG2 (LPAR1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: A375 cells IHC: 25-100 Positive control: Human liver cancer Predicted cell location: Cell membrane
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human LPAR1
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	41 kDa
Gene Name:	lysophosphatidic acid receptor 1
Database Link:	<a href="#">NP_001392</a> <a href="#">Entrez Gene 14745 Mouse</a> <a href="#">Entrez Gene 116744 Rat</a> <a href="#">Entrez Gene 1902 Human</a> <a href="#">Q92633</a>



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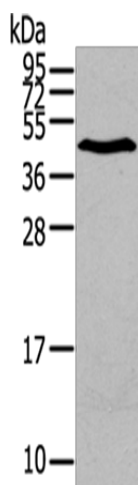
**Background:** The integral membrane protein encoded by this gene is a lysophosphatidic acid (LPA) receptor from a group known as EDG receptors. These receptors are members of the G protein-coupled receptor superfamily. Utilized by LPA for cell signaling, EDG receptors mediate diverse biologic functions, including proliferation, platelet aggregation, smooth muscle contraction, inhibition of neuroblastoma cell differentiation, chemotaxis, and tumor cell invasion.

**Synonyms:** edg-2; EDG2; Gpcr26; GPR26; LPA1; Mrec1.3; rec.1.3; vzg-1; VZG1

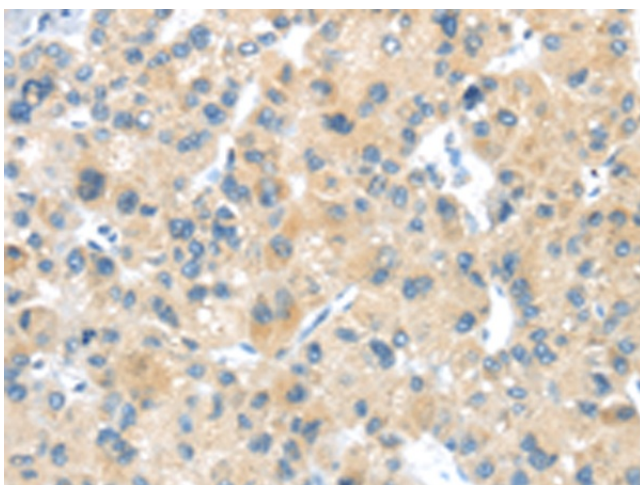
**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Protein Pathways:** Gap junction, Neuroactive ligand-receptor interaction

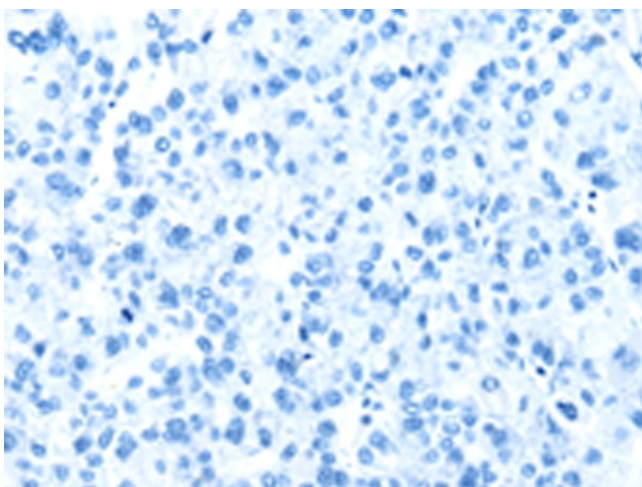
### Product images:



Gel: 12%SDS-PAGE  
Lysate: 40 µg  
Lane: A375 cells  
Primary antibody: TA350844 (LPAR1 Antibody) at dilution 1/200  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 2 minutes



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA350844 (LPAR1 Antibody) at dilution 1/20 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA350844 (LPAR1 Antibody) at dilution 1/20, treated with synthetic peptide. (Original magnification:  $\times 200$ )