

Datasheet for ABIN681118

anti-EDG4 antibody

1 Image

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	EDG4 (LPAR2)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EDG4 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human EDG4
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	EDG4 (LPAR2)
Alternative Name:	Edg4 (LPAR2 Products)
Background:	<p>Synonyms: Endothelial Cell Differentiation Gene 4, Endothelial differentiation lysophosphatidic acid G protein coupled receptor 4, IPA2, LPA receptor 2, LPA receptor EDG4, LPA2, LPAR2, Lysophosphatidic acid receptor Edg4, Edg4, LPAR2_HUMAN.</p> <p>Background: EDG4 belongs to a family of G-protein coupled receptors whose ligands are</p>

Target Details

lysophospholipids. There are eight 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.

Gene ID: 9170

Application Details

Application Notes: WB: 1:100-1000, IHC-P: 1:100-500, IF(IHC-P): 1:50-200
Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide.

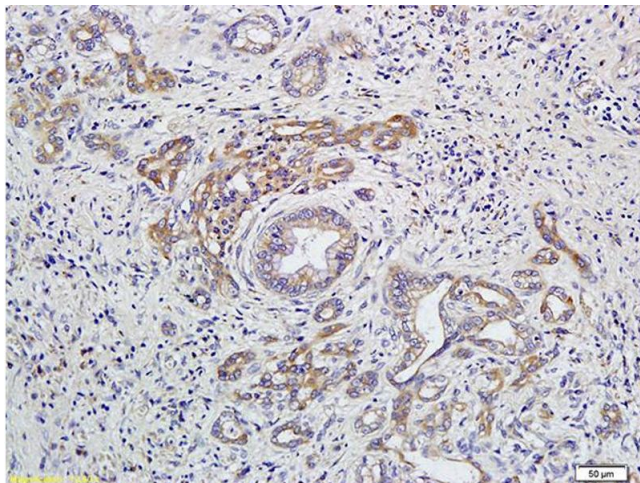
Preservative: Sodium azide

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 for 12 months.

Expiry Date: 12 months



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human colon cancer labeled with Anti-EDG4/LPA2 Polyclonal Antibody, Unconjugated (ABIN681118) at 1:400 followed by conjugation to the secondary antibody and DAB staining