Datasheet for ABIN1101276

anti-LPAR1 antibody (AA 342-359)

2 Images

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Overview

Quantity:	1 each
Target:	LPAR1
Binding Specificity:	AA 342-359
Reactivity:	Human, Mouse, Rat, Monkey, Bat, Chicken, Cow, Dog, Hamster, Horse, Pig, Sheep, Xenopus laevis
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LPAR1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Brand:	IHC-plus™
Immunogen:	Human lysophosphatidic acid 1 (LPA1) amino acids 342-359 (DRSASSLNHTILAGVHSN). Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Sheep, Hamster, Panda, Dog, Bat, Bovine, Horse, Pig, Opossum, Chicken, Platypus, Xenopus (100%), Elephant, Rabbit (94%).
Isotype:	IgG
Specificity:	Human lysophosphatidic acid 1 (LPA1) amino acids 342-359 (DRSASSLNHTILAGVHSN)
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Sheep, Hamster, Panda, Dog, Bat, Bovine, Horse, Pig, Opossum, Chicken, Platypus, Xenopus

Product Details

	(100%) Elephant, Rabbit (94%).
Purification:	Immunoaffinity purified

Target Details

Target:	LPAR1
Alternative Name:	LPAR1 / LPA1 / EDG2 (LPAR1 Products)
Background:	Name/Gene ID: LPAR1 Subfamily: Lysophospholipid/Lysosphingolipid Family: GPCR Synonyms: LPAR1, EDG-2, EDG2, Gpcr26, Rec.1.3, Vzg-1, Ventricular zone gene 1, LPA receptor 1, LPA-1, LPA1, Mrec1.3, VZG1
Gene ID:	1902
UniProt:	Q92633
Pathways:	Myometrial Relaxation and Contraction, Smooth Muscle Cell Migration

Application Details

Application Notes:	Approved: ICC, IHC, IHC-P (10 µg/mL), WB Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 10 µg/mL.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

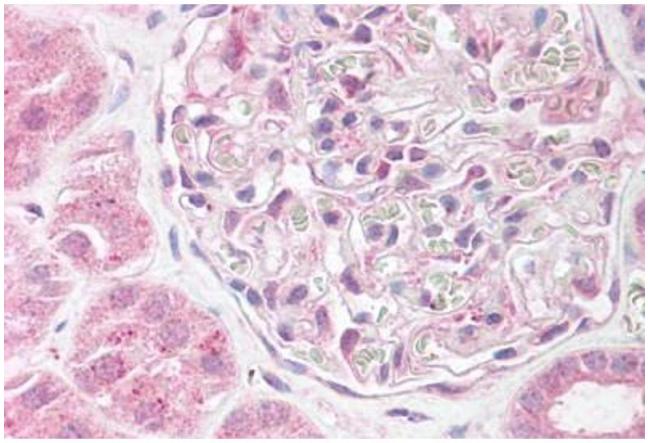
Handling

Format:	Liquid

Handling

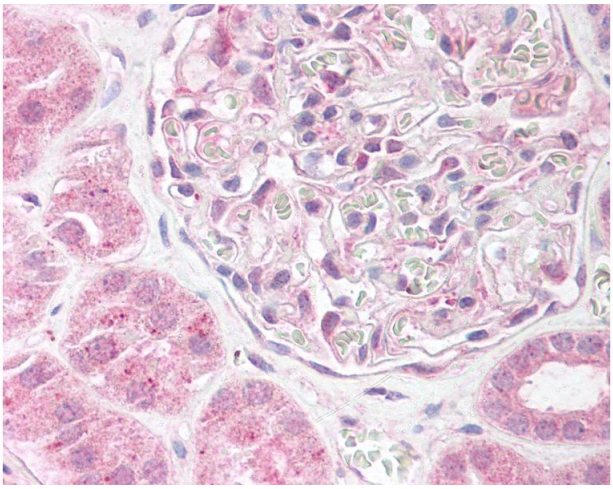
Reconstitution:	500 µL sterile water
Concentration:	Lot specific
Buffer:	TBS, pH 7.4, containing 50 % glycerol, 0.1 % BSA, and 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	Short term: -20°C Long term: -20°C.

Images



Immunohistochemistry

Image 1. Anti-EDG2 antibody IHC staining of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody ABIN1101276 concentration 10 ug/ml.



Immunohistochemistry

Image 2. Anti-EDG2 antibody IHC of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.