

Datasheet for ABIN1048536  
**anti-LPAR3 antibody (Cytoplasmic Domain)**

## 2 Images

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## Overview

Quantity:	50 µg
Target:	LPAR3
Binding Specificity:	Cytoplasmic Domain
Reactivity:	Human, Mouse, Rat, Monkey, Bat, Cow, Dog, Horse, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 16 amino acid peptide from 3rd cytoplasmic domain of human EDG7. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Bovine, Dog, Bat, Hamster, Elephant, Horse, Opossum, Platypus (100%), Panda (94%), Pig, Turkey, Chicken (88%), Xenopus (81%).  Type of Immunogen: Synthetic peptide
Specificity:	Human EDG7. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Bovine, Dog, Bat, Hamster, Elephant, Horse, Opossum, Platypus (100%) Panda (94%) Pig, Turkey, Chicken (88%) Xenopus (81%).

## Product Details

Purification: Immunoaffinity purified

## Target Details

Target: LPAR3

Alternative Name: LPAR3 / LPA3 / EDG7 ([LPAR3 Products](#))

Background: Name/Gene ID: LPAR3

Subfamily: Lysophospholipid/Lysosphingolipid

Family: GPCR

Synonyms: LPAR3, EDG7, Edg-7, LPA receptor 3, HOFNH30, LPA3, RP4-678I3, LP-A3, LPA receptor EDG7, LPA-3

Gene ID: 23566

Pathways: [Regulation of Cell Size](#)

## Application Details

Application Notes: Approved: IHC, IHC-P (10 µg/mL)

Comment: Target Species of Antibody: Human

Assay Procedure: **The IHC-pro Immunohistochemistry Protocol**

### Tissue Preparation

Formalin fixation and embedding in paraffin wax

### Tissue Sectioning

Make 4-µm sections and place on pre-cleaned and charged microscope slides.

Heat in a tissue-drying oven for 45 minutes at 60°C

Deparaffinization

Wash slides in 3 changes of xylene – 5 minutes each at room temperature.

### Rehydration

Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature.

Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature.

Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.

Rinse slides in gentle running distilled water – 5 minutes at room temperature.

### Antigen retrieval

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes

Remove from heat and let stand at room temperature in buffer - 20 minutes

Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

### Immunostaining

Do not allow tissues to dry at any time during the staining procedure.

Apply a universal protein block – 20 minutes at room temperature.

Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature.

Rinse slides 1X TBST – 1 minute at room temperature.

Apply alkaline phosphatase streptavidin – 30 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature.

Wash slides in distilled water – 1 minute at room temperature.

### Dehydrate

This method should only be used if the chromogen substrate is alcohol insoluble.

Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature.

Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of xylene – 1 minute each at room temperature.

Apply coverslip

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Restrictions:	For Research Use only
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### Handling

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Format:	Liquid
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Concentration:	Lot specific
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Buffer:	PBS, less than 0.1 % sodium azide.
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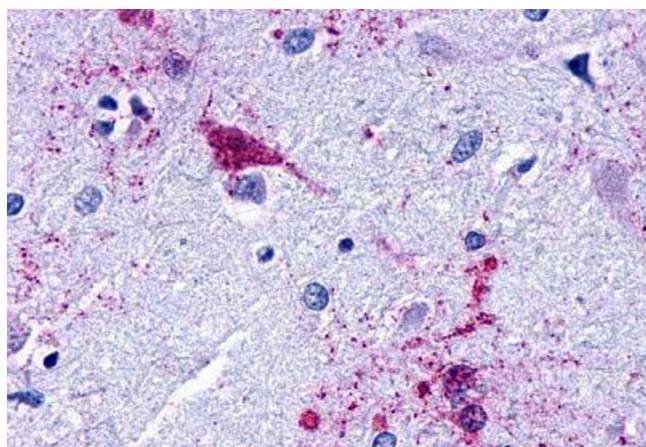
Preservative:	Sodium azide
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## Handling

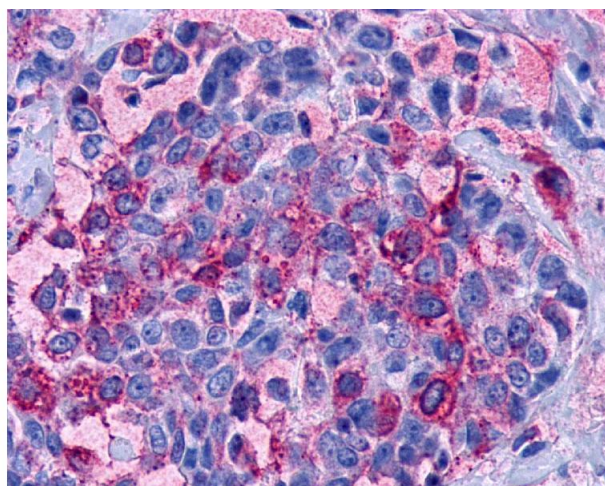
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

## Images



### Immunohistochemistry

**Image 1.** Anti-EDG7 antibody ABIN1048536 IHC staining of human brain, amygdala. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



### Immunohistochemistry

**Image 2.** Anti-LPAR3 / LPA3 / EDG7 antibody IHC of human Breast, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.