



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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**Lysophospholipid Phosphatase (LPP) 1/1A. Rabbit Polyclonal Antibody**

**BACKGROUND**

Broad-specificity phosphohydrolase that dephosphorylates exogenous bioactive glycerolipids and sphingolipids. It catalyzes the conversion of phosphatidic acid (PA) to diacylglycerol (DG), and is a pivotal regulator of lysophosphatidic acid (LPA) signaling in the cardiovascular system. It is a major enzyme responsible of dephosphorylating LPA in platelets, which terminates signaling actions of LPA. It may control circulating, and possibly also regulate localized, LPA levels resulting from platelet activation. It has little activity towards ceramide-1-phosphate (C-1-P) and sphingosine-1-phosphate (S-1-P). The relative catalytic efficiency is LPA > PA > S-1-P > C-1-P. Its down-regulation may contribute to the development of colon adenocarcinoma.

**IMMUNOGEN**

Synthetic peptide derived from the LPP1 protein

**POSITIVE CONTROL/TISSUE EXPRESSION**

**COMMENTS**

Antibody can be used for Western blotting (5-10 µg/ml). Optimal concentration should be evaluated by serial dilutions.

**ORDERING INFORMATION**

**CATALOG NUMBER**

X1527P

**SIZE**

100 µg

**FORM**

Unconjugated

**HOST/CLONE**

Rabbit

**FORMULATION**

Provided as solution in phosphate buffered saline with 0.08% sodium azide

**CONCENTRATION**

See vial for concentration

**ISOTYPE**

IgG

**APPLICATIONS**

Western Blot

**SPECIES REACTIVITY**

Human

**ACCESSION NUMBER**

O14494, Human

**PURIFICATION****SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**STORAGE CUSTOMER**

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

**STABILITY**

Products are stable for one year from purchase when stored properly

**REFERENCES**

1. Roberts, RZ, Morris, AJ. "Role of phosphatidic acid phosphatase 2a in uptake of extracellular lipid phosphate mediators." *Biochim Biophys Acta*, 2000, 1487, 33-49
2. Roberts, RZ, Sciorra, VA, Morris, AJ. "Human type 2 phosphatidic acid phosphohydrolases. Substrate specificity of the type 2a, 2b and 2c enzymes and cell surface activity of the 2a isoform." *J Biol Chem*, 1998, 273, 22059-22067