

PLA2R antibody
Mouse monoclonal antibody
Catalog # AD80010**Specification**

PLA2R antibody - Product info

Application	IHC-P
Primary Accession	Q13018
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	168600 Da

PLA2R antibody - Additional info

Gene ID	22925
Dilution	
IHC-P~~N/A	

Storage

Maintain refrigerated at 2-8°C

Precautions**PLA2R antibody is for research use only and not for use in diagnostic or therapeutic procedures.****PLA2R antibody - Protein Information****Name** PLA2R1**Synonyms**
Function

CLEC13C
Receptor for secretory phospholipase A2 (sPLA2). Acts as a receptor for phospholipase sPLA2-IB/PLA2G1B but not sPLA2-IIA/PLA2G2A. Also able to bind to snake PA2-like toxins. Although its precise function remains unclear, binding of sPLA2 to its receptor participates in both positive and negative regulation of sPLA2 functions as well as clearance of sPLA2. Binding of sPLA2-IB/PLA2G1B induces various effects depending on the cell type, such as activation of the mitogen-activated protein kinase (MAPK) cascade to induce cell proliferation, the production of lipid mediators, selective release of arachidonic acid in bone marrow-derived mast cells. In neutrophils, binding of sPLA2- IB/PLA2G1B can activate p38 MAPK to stimulate

Cellular Location

Tissue Location

elastase release and cell adhesion. May be involved in responses in proinflammatory cytokine productions during endotoxic shock. Also has endocytic properties and rapidly internalizes sPLA2 ligands, which is particularly important for the clearance of extracellular sPLA2s to protect their potent enzymatic activities. The soluble secretory phospholipase A2 receptor form is circulating and acts as a negative regulator of sPLA2 functions by blocking the biological functions of sPLA2-IB/PLA2G1B (PubMed:[15611272](#), PubMed:[7721806](#)). In podocytes, binding of sPLA2-IB/PLA2G1B can regulate podocyte survival and glomerular homeostasis (PubMed:[25335547](#)).

Cell membrane; Single-pass type I membrane protein [Isoform 2]: Secreted. Expressed in podocytes (at protein level) (PubMed:25335547). Present in lung macrophage (at protein level) Highly expressed in kidney. Also expressed in pancreas, amnion, choriodecidua and placenta. Isoform 2 is expressed at much lower level

PLA2R antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PLA2R antibody - Images