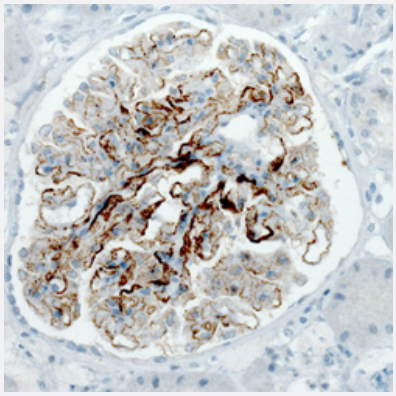
Sm Size

PLA2R1 monoclonal antibody, clone CL0485

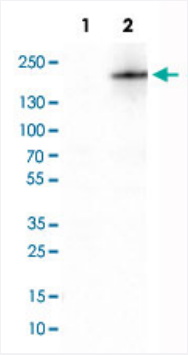
Catalog # MAB15634 Size 25 uL, 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with PLA2R1 monoclonal antibody, clone CL0485 (Cat # MAB15634) shows strong membranous immunoreactivity in renal glomeruli.



Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: negative control (vector only transfected HEK293T cell lysate) and Lane 2: over-expression lysate (co-expressed with a C-terminal myc-DDK tag in mammalian HEK293T cells) with PLA2R1 monoclonal antibody, clone CL0485 (Cat # MAB15634).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human PLA2R1.
Immunogen	Recombinant protein corresponding to human PLA2R1.
Epitope	This antibody binds to an epitope located within the peptide sequence VKNCEERLFYICKKA as determined by overlapping synthetic peptides.

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Sequence	EEKTWHEALRSCQADNSALIDITSLAEVEFLVTLLGDENASETWIGLSSNKIPVSFEWSNDSSVIFT NWHTLEPHIFPNRSQLCVSAEQSEGHWKVKNCEERLFYICKKAGHVLSDAESGCQEGWERHGG FCYKID
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG1
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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Gene Info — PLA2R1

Entrez GeneID	22925
Protein Accession#	Q13018
Gene Name	PLA2R1

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Gene Alias	CLEC13C, PLA2-R, PLA2G1R, PLA2IR, PLA2R
Gene Description	phospholipase A2 receptor 1, 180kDa
Omim ID	604939
Gene Ontology	Hyperlink
Gene Summary	Secretory phospholipases A2 (PLA2s) have been purified from a variety of mammalian tissues a s well as from insect and snake venoms. The prototype group I PLA2, the pancreatic PLA2 (PLA2 G1B; MIM 172410), is involved in digestion, smooth muscle contraction, and cell proliferation. The prototype group II PLA2, the inflammatory-type PLA2 (PLA2G2A; MIM 172411), is involved in infl ammatory conditions and is upregulated by proinflammatory cytokines like tumor necrosis factor (TNF; MIM 191160) and interleukin-1 (e.g., IL1B; MIM 147720). Differential toxicity of snake venom Pla2 appears to be linked to a variety of high-affinity receptors in different organs (Ancian et al., 1 995 [PubMed 7721806]).[supplied by OMIM
Other Designations	phospholipase A2 receptor 1

Disease

- Genetic Predisposition to Disease
- Thyroid Neoplasms

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