

Mouse PLA2R1 Monoclonal Antibody | anti-PLA2R1 antibody

PLA2R1, Mmab

CATALOG # AAA59315	HOST Mouse	APPLICATIONS Immunohistochemistry
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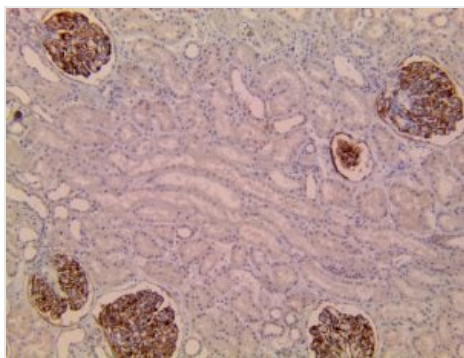
PRODUCT SYNONYMS

PLA2R1; Monoclonal Antibody; Mmab; anti-PLA2R1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	BSB-129
Form/Format	Concentrate or Prediluted
Sequence Length	1461
Applicable Applications for anti-PLA2R1 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant fragment corresponding to residues of the human phospholipase A2 receptor 1, protein.
Localization	Cytoplasmic, Membranous
Control	Brain, Testis, Kidney, Salivary Gland, Gastic GIST
Intended Use	This antibody is intended for use in Immunohistochemical applications on formalinfixed paraffin-embedded tissues (FFPE), frozen tissue sections and cell preparations. Interpretation of results should be performed by aqualified medical professional.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



IHC (Immunohiostchemistry)
IHC PLA2R1 on a FFPE Kidney Tissue

Antibody Type	Dilution	Volume/QTY
Tinto Predilute	Ready-To-Use	3.0 ml
Tinto Predilute	Ready-To-Use	7.0 ml
Tinto Predilute	Ready-To-Use	15.0 ml
Concentrate	1:50-1:200	0.1 ml
Concentrate	1:50-1:200	0.5 ml
Concentrate	1:50-1:200	1.0 ml
Control Slides		5

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-PLA2R1 antibody	PLA2R1 gene encodes phospholipase A2 receptor 1 protein, a 180 kDa transmembrane glycoproteins expressed by podocyte. Approximately 70% of patients with idiopathic membranous glomerulopathy have autoantibodies directed against podocyte PLA2R1. PLA2R1 also promotes tumor suppressive responses including senescence, apoptosis, and inhibition of transformation. Known oncogenes such as HIF2alpha and c-Myc repress PLA2R1 expression. PLA2R1 gain or loss of function experiments in vitro and in vivo shows that this receptor promotes several tumor suppressive responses including senescence, apoptosis and inhibition of transformation. Supporting a tumor suppressive role of PLA2R1, its expression decreases in numerous cancers, and known oncogenes such as HIF2alpha and c-MYC repress its expression. PLA2R1 promoter methylation, a classical way to repress tumor suppressive gene expression in cancer cells, is observed in leukemia, in kidney and in breast cancer cells. Mechanistically, PLA2R1 activates the kinase JAK2 and orients its activity towards a tumor suppressive one. PLA2R1 also promotes accumulation of reactive oxygen species which induce cell death and senescence. This review compiles recent data demonstrating an unexpected tumor suppressive role of PLA2R1 and outlines the future work needed to improve our knowledge of the functions of this gene in cancer.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	219519166
NCBI GeneID	22925
NCBI Official Full Name	PLA2R1 protein
NCBI Official Synonym Full Names	phospholipase A2 receptor 1
NCBI Official Symbol	PLA2R1
NCBI Official Synonym Symbols	PLA2R; PLA2-R; PLA2IR; CLEC13C; PLA2G1R
NCBI Protein Information	secretory phospholipase A2 receptor

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pla2r1-antibody-clone-bsb-129-immunohistochemistry-elisa/59315>