

Datasheet for ABIN7600628
anti-PLA2R1 antibody (AA 21-66)



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Overview

Quantity:	100 µg
Target:	PLA2R1
Binding Specificity:	AA 21-66
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLA2R1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-PLA2R/PLA2R1 Antibody Picoband®
Immunogen:	E.coli-derived human PLA2R/PLA2R1 recombinant protein (Position: E21-Q66).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	<p>Anti-PLA2R/PLA2R1 Antibody Picoband® (ABIN7600628). Tested in ELISA, WB applications.</p> <p>This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.</p>
Purification:	Immunogen affinity purified.

Target Details

Target:	PLA2R1
Alternative Name:	PLA2R1 (PLA2R1 Products)
Background:	<p>Synonyms: Interleukin-25, IL-25, Interleukin-17E, IL-17E, IL25, IL17E, UNQ3120/PRO10272</p> <p>Tissue Specificity: Expressed at low levels in several tissues, including brain, kidney, lung, prostate, testis, spinal cord, adrenal gland, and trachea.</p> <p>Background: Secretory phospholipase A2 receptor is an enzyme that in humans is encoded by the PLA2R1 gene. This gene represents a phospholipase A2 receptor. The encoded protein likely exists as both a transmembrane form and a soluble form. The transmembrane receptor may play a role in clearance of phospholipase A2, thereby inhibiting its action. Polymorphisms at this locus have been associated with susceptibility to idiopathic membranous nephropathy. Alternatively spliced transcript variants encoding different isoforms have been identified.</p>
Molecular Weight:	169 kDa
Gene ID:	22925
UniProt:	Q13018
Pathways:	Positive Regulation of Response to DNA Damage Stimulus

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Ancian, P., Lambeau, G., Mattei, M.-G., Lazdunski, M. The human 180- kDa receptor for secretory phospholipases A2: molecular cloning, identification of a secreted soluble form, expression, and chromosomal localization. J. Biol. Chem. 270: 8963-8970, 1995. 2. Beck, L. H., Jr., Bonegio, R. G. B., Lambeau, G., Beck, D. M., Powell, D. W., Cummins, T. D., Klein, J. B., Salant, D. J. M-type phospholipase A2 receptor as target antigen in idiopathic membranous nephropathy. New Eng. J. Med. 361: 11-21, 2009. 3. Debiec, H., Ronco, P. PLA2R autoantibodies and PLA2R glomerular deposits in membranous nephropathy. (Letter) New Eng. J. Med. 364: 689-690, 2011.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.