For Research Use Only

PLA2G12A Polyclonal antibody

Catalog Number: 16009-1-AP 4 Publications



Size: GenelD (NCB): Brownmended Dilutions: 1350.I., Concentration: 300 µg/m by 81579 WB 1500-12000 Nanodrop and 2737 µg/m by 81579 WB 1500-12000 Source: Calculated MW: 139 ap. 21 kDa Source: Calculated MW: 139 ap. 21 kDa Source: Calculated MW: 139 ap. 21 kDa Isotype: Observed MW: 1gG 1gG 21 24 kDa WB: mouse skeletal muscle tissue, HEK-293 c Applications: Ir, IHC, WB UHC Nman colon cancer tissue, human skele Hwan, mouse, rat UHC * WB: mouse skeletal muscle tissue, HEK-293 cells, Kiffer pH 6.0 Species Specificity: muscle tissue human, mouse, rat IF: HEK-293 cells, IHC: human colon cancer tissue, human skele Mote-IHC: Suggested antigen retrieval with IF: HEK-293 cells, Background Information PA2G12A (or PLA2G12) gene encodes group XII secreted phospholipase A2 (sPLA2) which catalyzes the cal dependent hydrolysis of the 2-acyl groups in 3 secreted phospholipase A2 (sPLA2) which catalyzes the cal dependent hydrolysis of the 2-acyl groups in 3 secreted phospholipase A2 (sPLA2) which catalyzes the cal dependent hydrolysis of the 2-acyl groups in 3 secreted phospholipase A2 (s	Basic Information	Catalog Number: 16009-1-AP	09-1-AP BC017218 c: GeneID (NCBI): ul , Concentration: 300 µg/ml by bodrop and 273 µg/ml by Bradford Full Name: bod using PSA as the standard		Antigen affinity purification	
Nanodrop and 275 yg/mL by Pardford method using BSA as the standard; Source: INC 1.20-1.200 IF 1.20-1.200 Source: Calculated MW: Rabbit 189 a, 21 kDa IF 1.20-1.200 Isotype: Observed MW: 1gG 21-24 kDa Immunogen Catalog Number: AG8722 Applications Firsted Applications: IF, IHC, WB, EUSA WB: mouse skeletal muscle tissue, HEK-293 cc mouse heart tissue, mouse kidney tissue Immunogen Catalog Number: AG8722 Cited Applications: IF, IHC, WB, EUSA WB: mouse skeletal muscle tissue, HEK-293 cc mouse heart tissue, mouse kidney tissue IHC, WB IHC 1.20-1.200 IHC 1.20-1.200 Species Species Specificity: Numan, mouse, rat WB: mouse skeletal muscle tissue, HEK-293 cells, Cited Species: Human, mouse, rat IF: HEK-293 cells, Background Information PAA2G1210 gene encodes group MI secreted phospholipase A2 (sPLA2) which catalyzes the cat prostaglandin (PC) production is regulated by splA2(b), groups III and ANII. Group MI sAD2 have relatively to splA2(2) exhibited abnormal morphology, suggesting a unique functional aspect of this enzyme. Role of SPL potential tumour biomarkers and therapeutic targets for various cancers have been reported. Notable Publications Author Pubmed ID Journal Applicati MB Alexandros Nicolaou 28917158 Atherosclerosis IHC, WB Tao Li 30402154		-				
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Nabbit 139 a, 21 kDa Isotype: Observed MW: IgG 21-24 kDa Immunogen Catalog Number: AG8722 Applications Tested Applications: IF.IHC, WBEUSA WB: mouse skeletal muscle tissue, HEK-295 c. Cited Applications: rouse heart tissue, mouse kidney tissue HC, WB HC: human colon cancer tissue, human skele Numan, mouse, rat IF: HEK-293 cells, Numan, mouse, rat IF: HEK-293 cells, Numan, mouse, rat IF: HEK-293 cells, Note-IHC: suggested antigen retrieval with citrate Fifther pH 9.0; (*) Alternatively, antigen retrieval with citrate Background Information PLA2G12A (or PLA2G12) gene encodes group XII secreted phospholipase A2 (sPLA2) which catalyzes the cal dependent hydrolysis of the 2-acyl groups in 3-m-phosphoglycerides. Cellular arachidomate (AA) release a protagiandin (PQ) production is regulated by sPLA2(2), groups in 3-m-phosphoglycerides. Cellular arachidomate (AA) release a protagiandin (PQ) production is regulated by sPLA2(2), groups in 3-m-phosphoglycerides. Cellular arachidomate (AA) release a protagiandin (PQ) production is regulated by sPLA2(2), groups in 3-m-phosphoglycerides. Cellular arachidomate (AA) release a protagiandin (PQ) production is regulated by sPLA2(2), groups in 3-m-phosphoglycerides. Cellular arachidomate (AA) release a more specific activity and are structurally of stinct from other SPLA2. Cell stransfeeted with groups sof an aractrestructural and arestrucurally of stinct fro						
Isotype: IgG Observed MW: 21-24 kDa Applications Fested Applications: IF, IHC, WB,EUSA Cited Applications: IF, IHC, WB,EUSA Cited Applications: IF, IHC, WB,EUSA Cited Applications: IHC, WB Positive Controls: WB: mouse skeletal muscle tissue, HEK-293 c mouse heart tissue, mouse kidney tissue mouse heart tissue, mouse kidney tissue IHC, WB Species Specificity: human, mouse, rat Cited Species: human, mouse, rat Cited Species: human, mouse, rat IHC: human colon cancer tissue, human skele muscle tissue Background Information PLA2G12A (or PLA2G12) gene encodes group XII secreted phospholipase A2 (SPLA2) which catalyzes the cal dependent hydrolysis of the 2-acyl groups in 3-m-phosphoglycerides. Cellular arachidonate (IAA) release a prostagtandin (PG) production is regulated by SPLA(2), groups III and XII. Group XII selexated phospholipase A2 (SPLA2) which catalyzes the cal dependent hydrolysis of the 2-acyl groups in 3-m-phosphoglycerides. Cellular arachidonate (IAA) release a prostagtandin (PG) production is regulated by SPLA(2), groups III and XII. Group XII selexated of SPL potential tumour biomarkers and therapeutic targets for various cancers have been reported. Notable Publications Author Pubmed ID Journal Application Slorage: Storage: Storage: Storage: Storage: Storage: Storage: Storage at 20°C. Stable for one year after shipment. Storage ASC Stable for one year after shipment. Storage ASC Stable for one year after shipment.						
Applications Tested Applications: IF, IHC, W&EUSA Positive Controls: WB: mouse skeletal muscle tissue, HEK-293 c mouse heart tissue, mouse kidney tissue IHC, WB Species Specificity: human, mouse, rat WB: mouse skeletal muscle tissue, HEK-293 c mouse heart tissue, mouse kidney tissue Cited Applications: IHC, WB Fig. HEK-293 cells, HC: human colon cancer tissue, human skele muscle tissue Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 Fig. HEK-293 cells, Background Information PLA2G12A (or PLA2G12) gene encodes group XII secreted phospholipase A2 (\$PLA2) which catalyzes the cal dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides. Cellular arachidonate (AA) release al postaglandin (PG) production is regulated by \$PLA(2)s, groups III and XII. Group XII secreted with group SPLA2) exhibite admornati morphology, suggesting a unique functional aspect of this renzyme. Role of SPL potential tumour biomarkers and therapeutic targets for various cancers have been reported. Notable Publications Author Pubmed ID Journal Application After advos Nicolaou Keji Suzuki 25132377 J Atheroscleronis IHC, WB Keji Suzuki 25132377 J Atheroscler Thromb IHC Storage Storage: Storage buffer Storage buffer Storage buffer			Observed MW:			
IF, IHC, WB,ELISA WB: mouse skeletal muscle tissue, HEK-293 c Cited Applications: mouse heart tissue, mouse kidney tissue IHC, WB IHC: human colon cancer tissue, human skele Species Specificity: muscle tissue human, mouse, rat IF: HEK-293 cells, Cited Species: human, mouse, rat Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval with citrate buffer pH 6.0 PLA2G12A (or PLA2G12) gene encodes group XII secreted phospholipase A2 (sPLA2) which catalyzes the cal dependent hydrolysis of the 2-acyl groups in 3-sr-phosphoglycerides. Cellular arachidonate (AA) release a prostagiandin (PG) production is regulated by sPLA[2)s, groups III and XII. Group XII space relatively to specific activity and are structurally and functionally distinct from other sPLA2s. Cells transfected with goot specific activity and are structurally and functional aspect of this enzyme. Role of sPL potential tumour biomarkers and therapeutic targets for various cancers have been reported. Notable Publications Author Pubmed ID Journal Application Koji Suzuki 25132377 J Atherosclerosis IHC. WB Koji Suzuki 25132377 J Atheroscler Thromb IHC Storage Storage Storage buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.						
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*** 20ul sizes contain 0.1% BSA	Background Information Notable Publications	dependent hydrolysis of the 2-acyl gr prostaglandin (PG) production is regul specific activity and are structurally a sPLA(2) exhibited abnormal morphol potential tumour biomarkers and the Author Put Alexandros Nicolaou 289 Tao Li 304 Koji Suzuki 251 Storage: Storage Buffer: PBS with 0.02% sodium azide and 50	oups in 3-sn-phosphoglyd lated by sPLA(2)s, groups and functionally distinct f ogy, suggesting a unique rapeutic targets for variou med ID Journal 17158 Atheroso 02154 Exp Ther 32377 J Athero er shipment. % glycerol pH 7.3.	erides. Cellu III and XII. Gr rom other sPL functional as is cancers hav lerosis	lar arachidonate (AA) releas roup XII sPLA2 have relative A2s. Cells transfected with g pect of this enzyme. Role of ve been reported. Applic IHC,W WB	e and y low group XI sPLA2s

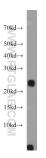
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 E: proteintech@ptglab.com

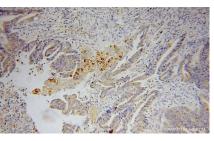
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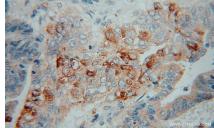
Selected Validation Data



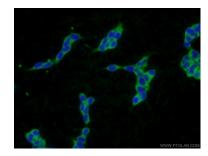
mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 16009-1-AP (PLA2G12A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded human colon cancer using 16009-1-AP (PLA2G12A antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffinembedded human colon cancer using 16009-1-AP (PLA2G12A antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HEK-293 cells using 16009-1-AP (PLA2G12A antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).