

Mouse anti-Human Phospholipase C, gamma 1 Monoclonal Antibody | anti-PLCg1 antibody

Phospholipase C, gamma 1 (Phospholipase C-gamma-1, PLCgamma1, PLC-gamma-1, PLCg1, NCKAP3, 1-Phosphatidylinositol-4,5-bisphosphate Phosphodiesterase gamma-1, Phospholipase C-II, PLC-II, Phosphoinositide Phospholipase C-gamma-1, PLC1, PLC148, PLC-148) APC

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24611	Mouse	Human	ELISA, Immunofluorescence, Western Blot

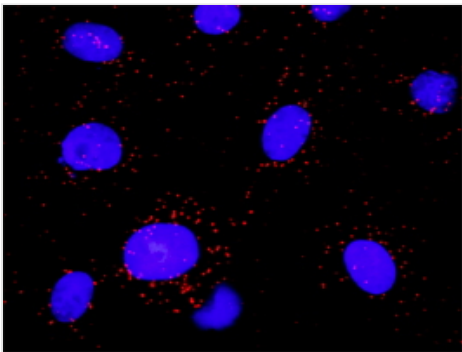
PRODUCT SYNONYMS

Phospholipase C; gamma 1; Monoclonal Antibody; gamma 1 (Phospholipase C-gamma-1; PLCgamma1; PLC-gamma-1; PLCg1; NCKAP3; 1-Phosphatidylinositol-4; 5-bisphosphate Phosphodiesterase gamma-1; Phospholipase C-II; PLC-II; Phosphoinositide Phospholipase C-gamma-1; PLC1; PLC148; PLC-148) APC; anti-PLCg1 antibody

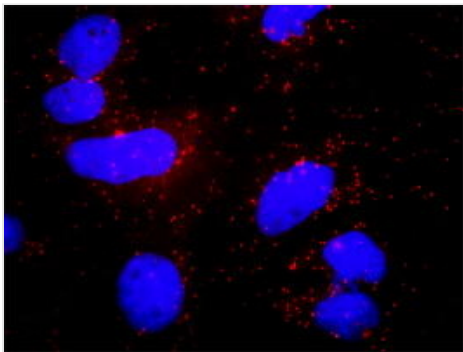
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2A2
Specificity	Recognizes human PLCG1.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Sequence Length	1291
Applicable Applications for anti-PLCg1 antibody	ELISA, IF (Immunofluorescence), WB (Western Blot)
Application Notes	IF: 40ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa1192-1292 from human PLCG1 (NP_002651) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	LKNNYSEDLELASLLIKIDIFPAKQENGDLSPFSGTSLRERGSDASGQLFHGRAREGSFESRYQQPFEDFRISQEHLDHFDSRERRAPRRTRVNGDNRL
Conjugate	APC
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

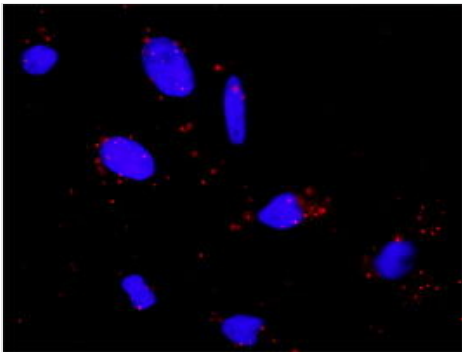
IMAGES



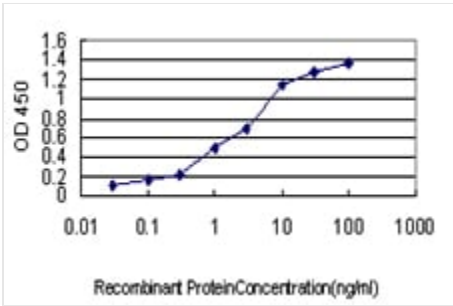
Application Data
Proximity Ligation Analysis of protein-protein interactions between PDGFRB and PLCG1. Mahlavu cells were stained with anti-PDGFRB rabbit purified polyclonal 1:600 and anti-PLCG1 mouse monoclonal antibody 1:100. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



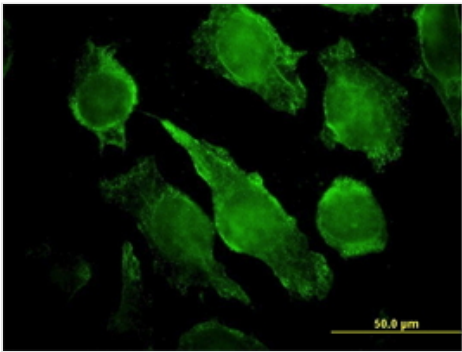
Application Data
Proximity Ligation Analysis of protein-protein interactions between HCK and PLCG1. Huh7 cells were stained with anti-HCK rabbit purified polyclonal 1:1200 and anti-PLCG1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



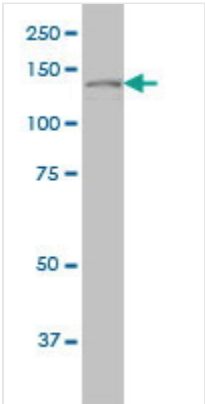
Application Data
Proximity Ligation Analysis of protein-protein interactions between PTK2 and PLCG1 HeLa cells were stained with PTK2 rabbit purified polyclonal 1:1200 and PLCG1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Application Data
Detection limit for recombinant GST tagged PLCG1 is ~0.1ng/ml as a capture antibody.



IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to PLCG1 on HeLa cell. [antibody concentration 40ug/ml].



WB (Western Blot)
PLCG1 monoclonal antibody. Western Blot analysis of PLCG1 expression in HeLa NE.

ADDITIONAL INFORMATION

Product Categories/Family for anti-PLCG1 antibody	Antibodies; Enzymes; Phospholipase
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33598948
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NCBI GeneID	5335
NCBI Accession #	NP_002651
NCBI GenBank Nucleotide #	NM_002660
UniProt Accession #	P19174
NCBI Official Full Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1 isoform a
NCBI Official Synonym Full Names	phospholipase C gamma 1
NCBI Official Symbol	PLCG1
NCBI Official Synonym Symbols	PLC1; NCKAP3; PLC-II; PLC148; PLCgamma1
NCBI Protein Information	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1
UniProt Protein Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1
UniProt Gene Name	PLCG1
UniProt Synonym Gene Names	PLC1; PLC-II; PLC-gamma-1
UniProt Entry Name	PLCG1_HUMAN

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/phospholipase-c-gamma-1-antibody-clone-2a2-immunofluorescence-western-blot-elisa/24611>