

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) (FITC)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25203	Mouse	Human	ELISA, Immunofluorescence, Western Blot

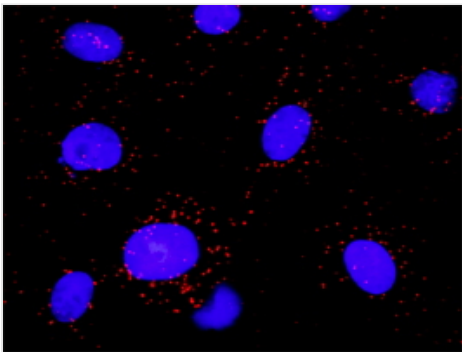
PRODUCT SYNONYMS

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) (FITC; anti-PLCg1 antibody

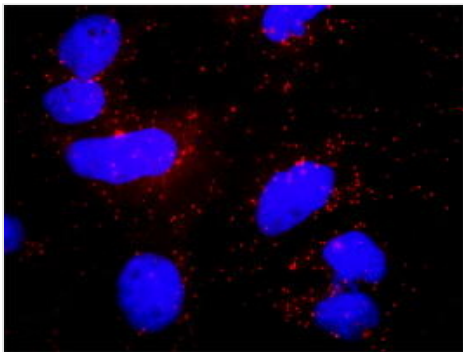
PRODUCT SPECIFICATIONS

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 Fluorescein isothiocyanate (FITC).
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	FITC
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

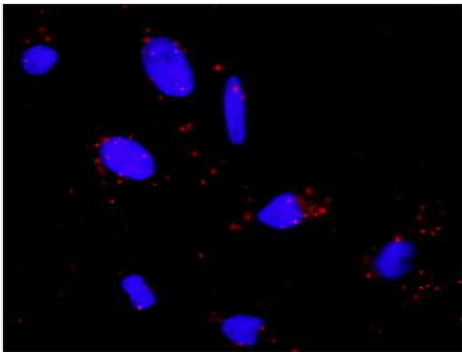
IMAGES



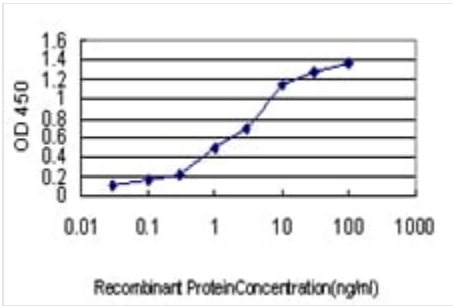
Application Data
Proximity Ligation Analysis of protein-protein interactions between PDGFRB and PLCG1. Mahlavu cells were stained with anti-PDGFRB rabbit purified polyclonal 1:600 and anti-PLCG1 mouse monoclonal antibody 1:100. Each red dot represents the detection of protein-protein interaction complex,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



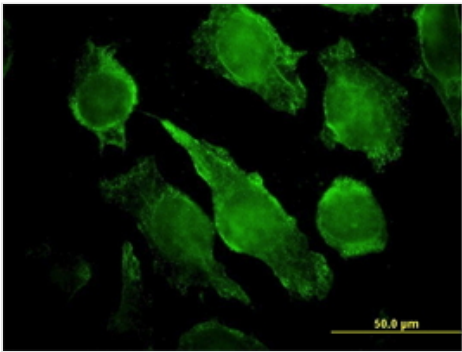
Application Data
Proximity Ligation Analysis of protein-protein interactions between HCK and PLCG1. Huh7 cells were stained with anti-HCK rabbit purified polyclonal 1:1200 and anti-PLCG1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and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



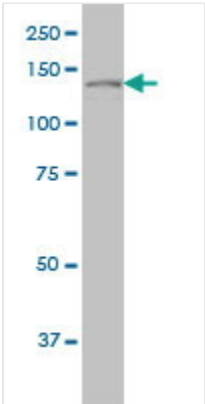
Application Data
Proximity Ligation Analysis of protein-protein interactions between PTK2 and PLCG1 HeLa cells were stained with PTK2 rabbit purified polyclonal 1:1200 and PLCG1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were 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/25203>