Datasheet for ABIN562265

anti-Phospholipase C gamma 1 antibody (AA 1192-1291)

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Overview

Quantity:	100 µg
Target:	Phospholipase C gamma 1 (PLCG1)
Binding Specificity:	AA 1192-1291
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Phospholipase C gamma 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Proximity Ligation Assay (PLA)

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant PLCG1.
Immunogen:	PLCG1 (NP_002651, 1192 a.a. ~ 1291 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	LKNNYSEDLE LASLLIKIDI FPAKQENGDL SPFSGTSLRE RGSDASGQLF HGRAREGSFE SRYQQPFEDF RISQEHLADH FDSRERRAPR RTRVNGDNRL
Clone:	2A2
Isotype:	IgG1
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	Phospholipase C gamma 1 (PLCG1)
Alternative Name:	PLCG1 (PLCG1 Products)
Background:	Full Gene Name: phospholipase C, gamma 1 Synonyms: PLC-II,PLC1,PLC148,PLCgamma1
Gene ID:	5335
NCBI Accession:	NM_002660
Pathways:	RTK Signaling, WNT Signaling, TCR Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Thyroid Hormone Synthesis, Inositol Metabolic Process, Myometrial Relaxation and Contraction, Regulation of Muscle Cell Differentiation, Regulation of G-Protein Coupled Receptor Protein Signaling, Skeletal Muscle Fiber Development, G-protein mediated Events, Signaling Events mediated by VEGFR1 and VEGFR2, Interaction of EGFR with phospholipase C-gamma, VEGFR1 Specific Signals, VEGF Signaling

Application Details

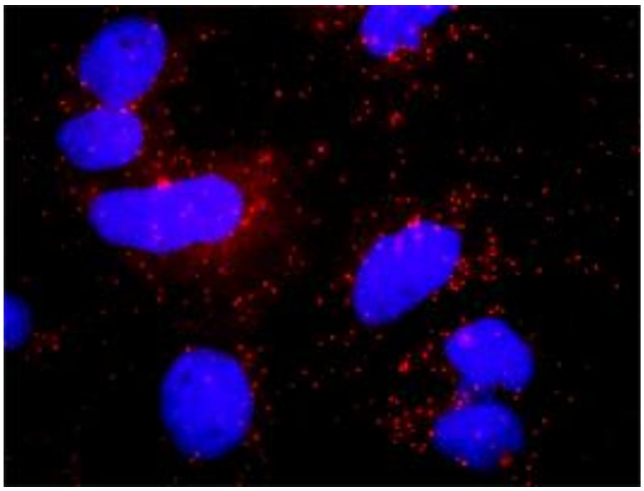
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

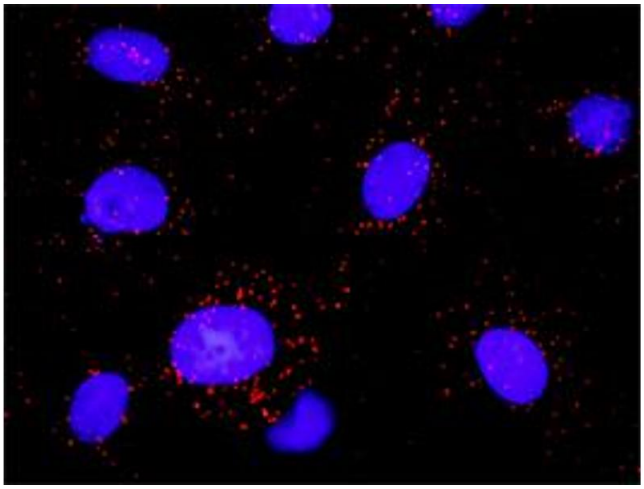
Publications

Product cited in:	Liu, Chen, Chau, Jan, Chen, Hsu, Lin, Juang, Lu, Cheng, Chen, Chang, Ting, Kao, Hsiao, Huang: " Analysis of protein-protein interactions in cross-talk pathways reveals CRKL protein as a novel prognostic marker in hepatocellular carcinoma." in: **Molecular & cellular proteomics : MCP**, Vol. 12, Issue 5, pp. 1335-49, (2013) (PubMed).



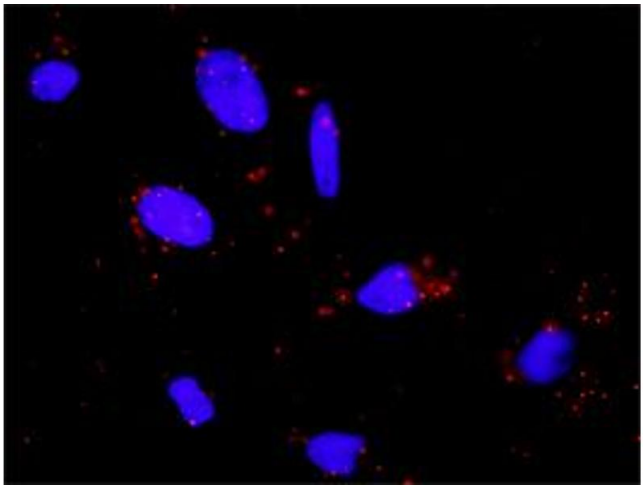
Proximity Ligation Assay

Image 1. 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).



Proximity Ligation Assay

Image 2. 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).



Proximity Ligation Assay

Image 3. Proximity Ligation Analysis of protein-protein interactions between PTK2 and PLCG1. HeLa cells were stained with anti-PTK2 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).

Please check the product details page for more images. Overall 7 images are available for ABIN562265.

