

# Product Datasheet

## PLC-gamma 1 Antibody (3H1C10) - BSA Free NBP2-52533

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 1

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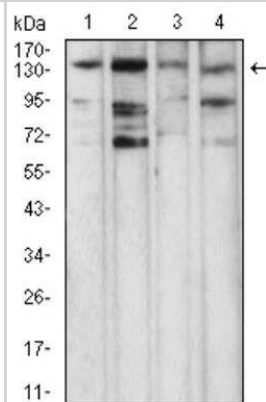
**NBP2-52533****PLC-gamma 1 Antibody (3H1C10) - BSA Free**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	3H1C10
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	148.5 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse PLC-gamma 1 Antibody (3H1C10) - BSA Free (NBP2-52533) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-PLC-gamma 1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	5335
<b>Gene Symbol</b>	PLCG1
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	Purified recombinant fragment of human PLC-gamma 1 (AA: 1192-1291) expressed in E. Coli.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, Flow Cytometry 1:200-1:400, ELISA 1:10000, Immunohistochemistry 1:200-1:1000, Immunocytochemistry/ Immunofluorescence 1:200-1:1000, Immunohistochemistry-Paraffin 1:200-1:1000, CyTOF-ready
<b>Application Notes</b>	This antibody is Cytof ready.

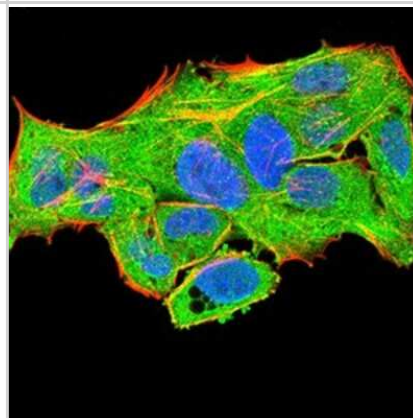


## Images

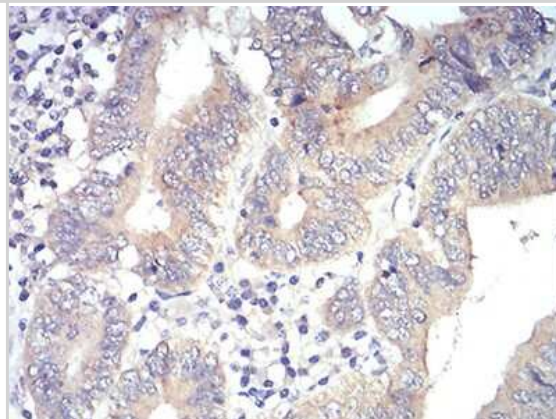
Western Blot: PLC-gamma 1 Antibody (3H1C10) [NBP2-52533] - Analysis using PLCG1 mouse mAb against NIH/3T3 (1), Jurkat (2), A431 (3), and Hela (4) cell lysate.



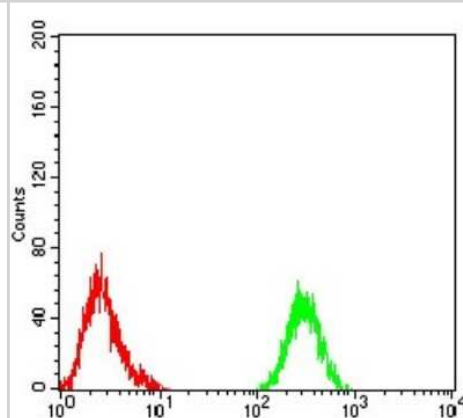
Immunocytochemistry/Immunofluorescence: PLC-gamma 1 Antibody (3H1C10) [NBP2-52533] - Analysis of Hela cells using PLCG1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



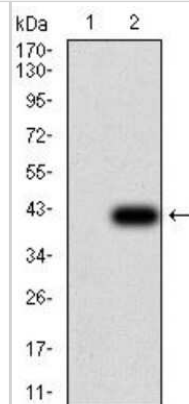
Immunohistochemistry-Paraffin: PLC-gamma 1 Antibody (3H1C10) [NBP2-52533] - Analysis of paraffin-embedded esophagus tissues using PLCG1 mouse mAb with DAB staining.



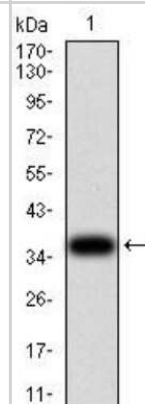
Flow Cytometry: PLC-gamma 1 Antibody (3H1C10) [NBP2-52533] - Analysis of Raji cells using PLCG1 mouse mAb (green) and negative control (red).



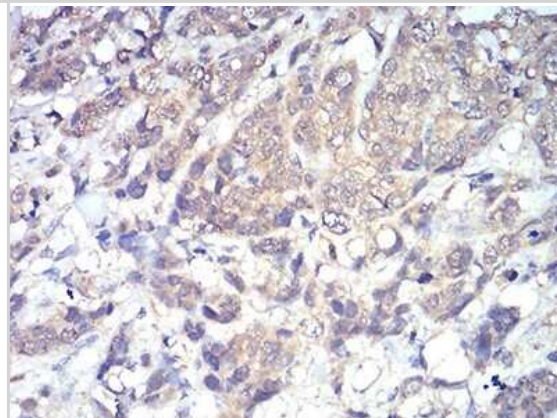
Western Blot: PLC-gamma 1 Antibody (3H1C10) [NBP2-52533] - Analysis using PLCG1 mAb against HEK293 (1) and PLCG1 (AA: 1192-1291)-hlgGFc transfected HEK293 (2) cell lysate.



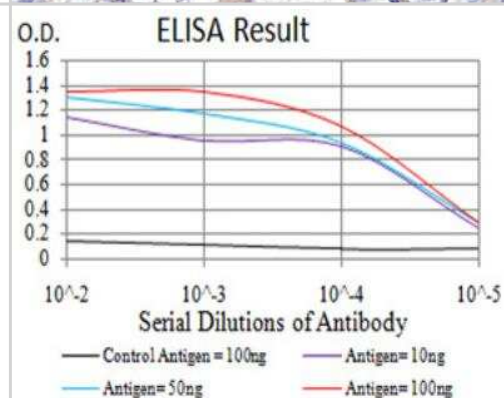
Western Blot: PLC-gamma 1 Antibody (3H1C10) [NBP2-52533] - Analysis using PLCG1 mAb against human PLCG1 (AA: 1192-1291) recombinant protein. (Expected MW is 37.5 kDa)



Immunohistochemistry-Paraffin: PLC-gamma 1 Antibody (3H1C10) [NBP2-52533] - Analysis of paraffin-embedded breast cancer tissues using PLCG1 mouse mAb with DAB staining.



ELISA: PLC-gamma 1 Antibody (3H1C10) [NBP2-52533] - Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng).



## Publications

Katsuyama E, Humbel M, Suarez-Fueyo A et Al. CD38 in SLE CD4 T cells promotes Ca(2+) flux and suppresses interleukin-2 production by enhancing the expression of GM2 on the surface membrane Nat Commun 2024-09-27 [PMID: 39333474]



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### **Products Related to NBP2-52533**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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