

Nur für Forschungszwecke

# PLCB3 Monoklonaler Antikörper

Katalog-Nr.: 66668-1-Ig **3 Publikationen**



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 66668-1-Ig	<b>GenBank-Zugangsnummer:</b> BC142681	<b>Reinigungsmethode:</b> Protein-G-Reinigung
<b>Größe:</b> 150ul, Konzentration: 1100 µg/ml von 5331 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 5331	<b>CloneNo.:</b> 1B8B3
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> phospholipase C, beta 3 (phosphatidylinositol-specific)	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:50000 IHC 1:50-1:500
<b>Isotyp:</b> IgG1	<b>Berechnete Masse:</b> 1234 aa, 139 kDa	
<b>Immunogen Katalognummer:</b> AG15845	<b>Beobachtete Masse:</b> 150 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> IHC, WB, ELISA	<b>Positivkontrollen:</b>
<b>In Publikationen genannte Anwendungen:</b> WB	<b>WB:</b> HepG2-Zellen, HEK-293-Zellen, HeLa-Zellen, Jurkat-Zellen, K-562-Zellen, LNCaP-Zellen, NIH/3T3- Zellen, Sp2/O-Zellen
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	<b>IHC:</b> humanes Mammakarzinomgewebe, humanes Kolongewebe
<b>Zitierte Arten:</b> Ratte	
<b>Hinweis-IHC: Antigendemaskierung mit TE- Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	

## Hintergrundinformationen

PLCB3 is a member of the phosphoinositide phospholipase C beta enzyme family that catalyze the production of the secondary messengers diacylglycerol and inositol 1,4,5-triphosphate from phosphatidylinositol in G-protein-linked receptor-mediated signal transduction. Six subfamilies of PLCs (B, G, D, E, Z and H) constitute part of ubiquitous signaling cascades that translate hormonal signals into intracellular events, leading to alternations in cell function. PLCB isoforms 1-4 are stimulated by G-protein activation (Gαq/11 and/or Gβγ). Independent of its enzymatic activity, PLCB3 inhibits the proliferation of hematopoietic stem cells (HSCs) and myeloid cells.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Hongdong Song	35703476	J Food Sci	WB
Yijie Yang	32662128	J Food Biochem	WB
Wenna Zhang	31975557	J Cell Mol Med	WB

## Lagerung

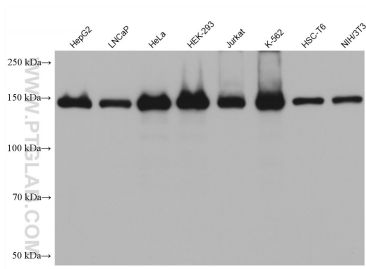
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

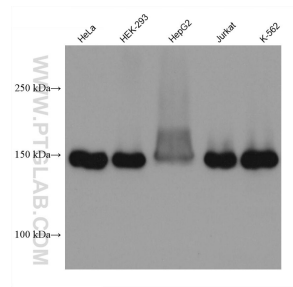
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

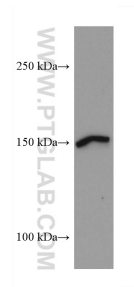
## Ausgewählte Validierungsdaten



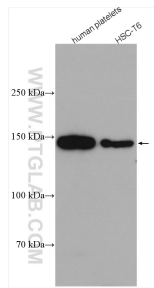
Various lysates were subjected to SDS PAGE followed by western blot with 66668-1-Ig (PLCB3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



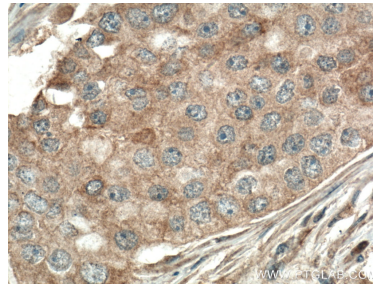
Various lysates were subjected to SDS PAGE followed by western blot with 66668-1-Ig (PLCB3 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



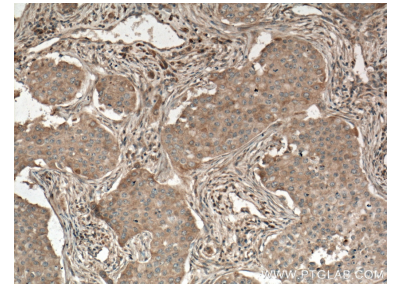
Sp2/O cells were subjected to SDS PAGE followed by western blot with 66668-1-Ig (PLCB3 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 66668-1-Ig (PLCB3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66668-1-Ig (PLCB3 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66668-1-Ig (PLCB3 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).