



# SZABO SCANDIC

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- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## CBL & PLCG1 Protein Protein Interaction Antibody Pair

Catalog # : DI0545

規格 : [ 1 Set ]

List All

### Specification

**Product Description:** This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the CBL protein, and the other against the PLCG1 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

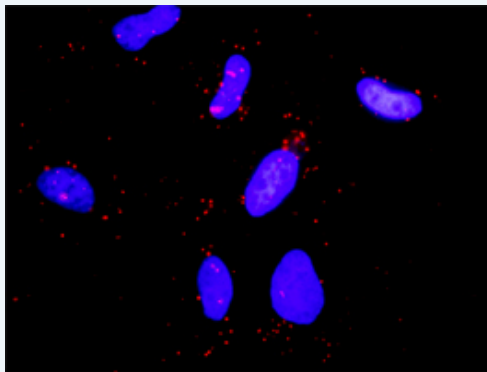
### Application Image

*In situ* Proximity Ligation Assay (Cell)



**Reactivity:** Human

**Quality Control Testing:** Protein protein interaction immunofluorescence result.



Representative image of Proximity Ligation Assay of protein-protein interactions between CBL and PLCG1. HeLa cells were stained with anti-CBL rabbit purified polyclonal antibody 1:1200 and anti-PLCG1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex. The images were analyzed using an optimized freeware ([BlobFinder](#)) download from The Centre for Image Analysis at Uppsala University.

**Supplied Product:** Antibody pair set content:  
 1. CBL rabbit purified polyclonal antibody (20 ug)  
 2. PLCG1 mouse monoclonal antibody (40 ug)  
 \*Reagents are sufficient for at least 30-50 assays using recommended protocols.

**Storage Instruction:** Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -

20°C storage immediately after use.

MSDS:

 [Download](#)

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## Publication Reference

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1. [An analysis of protein-protein interactions in cross-talk pathways reveals CRKL as a novel prognostic marker in hepatocellular carcinoma.](#)  
Liu CH, Chen TC, Chau GY, Jan YH, Chen CH, Hsu CN, Lin KT, Juang YL, Lu PJ, Cheng HC, Chen MH, Chang CF, Ting YS, Kao CY, Hsiao M, Huang CY. Mol Cell Proteomics. 2013 Feb 8. [Epub ahead of print]

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## Applications

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### *In situ* Proximity Ligation Assay (Cell)

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[CBL](#) [PLCG1](#)

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## Gene Information

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Entrez GeneID: [867](#)

Gene Name: CBL

Gene Alias: C-CBL,CBL2,RNF55

Gene Description: Cas-Br-M (murine) ecotropic retroviral transforming sequence

Omim ID: [165360](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** The cbl oncogene was first identified as part of a transforming retrovirus which induces mouse pre-B and pro-B cell lymphomas. As an adaptor protein for receptor protein-tyrosine kinases, it positively regulates receptor protein-tyrosine kinase ubiquitination in a manner dependent upon its variant SH2 and RING finger domains. Ubiquitination of receptor protein-tyrosine kinases terminates signaling by marking active receptors for degradation. [provided by RefSeq]

Other Designations: oncogene CBL2

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## Gene Information

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Entrez GeneID: [5335](#)

Gene Name: PLCG1

Gene Alias: PLC-II,PLC1,PLC148,PLCgamma1

Gene Description: phospholipase C, gamma 1

Omim ID: [172420](#)

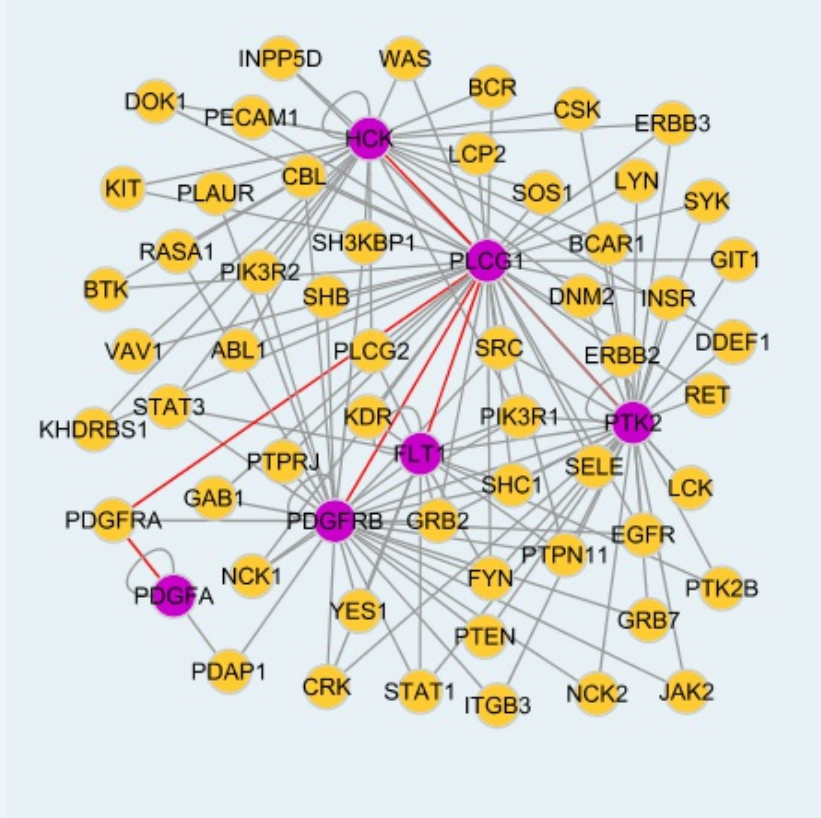
Gene Ontology: [Hyperlink](#)

**Gene Summary:** The protein encoded by this gene catalyzes the formation of inositol 1,4,5-trisphosphate and diacylglycerol from phosphatidylinositol 4,5-bisphosphate. This reaction uses calcium as a cofactor and plays an important role in the intracellular transduction of receptor-mediated tyrosine kinase activators. For example, when activated by SRC, the encoded protein causes the Ras guanine nucleotide exchange factor RasGRP1 to translocate to the Golgi, where it activates Ras. Also, this

protein has been shown to be a major substrate for heparin-binding growth factor 1 (acidic fibroblast growth factor)-activated tyrosine kinase. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations:** 1-phosphatidyl-D-myo-inositol-4,5-bisphosphate,1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma  
1,OTTHUMP00000031787,OTTHUMP00000178982,PLC-gamma-1,inositoltrisphosphohydrolase,monophosphatidylinositol phosphodiesterase,phosphatidylinositol

### Interactome



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