



# SZABO SCANDIC

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- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## KIT & PIK3R1 Protein Protein Interaction Antibody Pair

Catalog # : DI0461

規格 : [ 1 Set ]

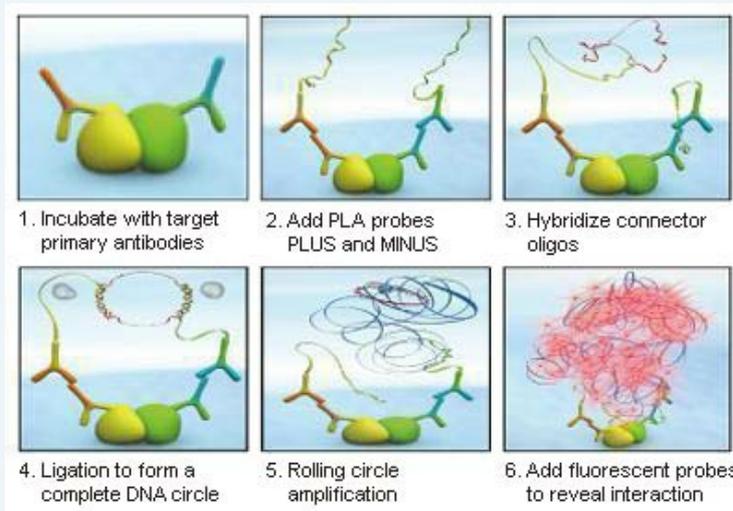
List All

### Specification

**Product Description:** This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the KIT protein, and the other against the PIK3R1 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

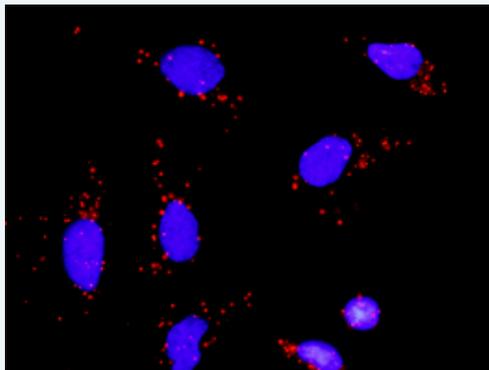
### Application Image

*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 KIT and PIK3R1. HeLa cells were stained with anti-KIT rabbit purified polyclonal antibody 1:1200 and anti-PIK3R1 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. KIT rabbit purified polyclonal antibody (20 ug)  
 2. PIK3R1 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](#)

## Publication Reference

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]

## Applications

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

[KIT](#) [PIK3R1](#)

## Gene Information

Entrez GeneID: [3815](#)

Gene Name: KIT

Gene Alias: C-Kit,CD117,PBT,SCFR

Gene Description: v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog

Omim ID: [164920](#), [172800](#), [273300](#), [601626](#), [606764](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** This gene encodes the human homolog of the proto-oncogene c-kit. C-kit was first identified as the cellular homolog of the feline sarcoma viral oncogene v-kit. This protein is a type 3 transmembrane receptor for MGF (mast cell growth factor, also known as stem cell factor). Mutations in this gene are associated with gastrointestinal stromal tumors, mast cell disease, acute myelogenous leukemia, and piebaldism. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations: mast/stem cell growth factor receptor,proto-oncogene tyrosine-protein kinase Kit,soluble KIT variant 1

## Gene Information

Entrez GeneID: [5295](#)

Gene Name: PIK3R1

Gene Alias: GRB1,p85,p85-ALPHA

Gene Description: phosphoinositide-3-kinase, regulatory subunit 1 (alpha)

Omim ID: [171833](#)

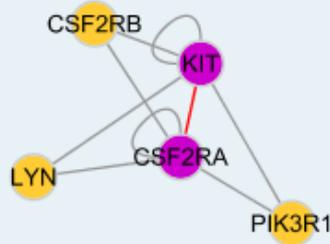
Gene Ontology: [Hyperlink](#)

**Gene Summary:** Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD. This gene encodes the 85 kD regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with

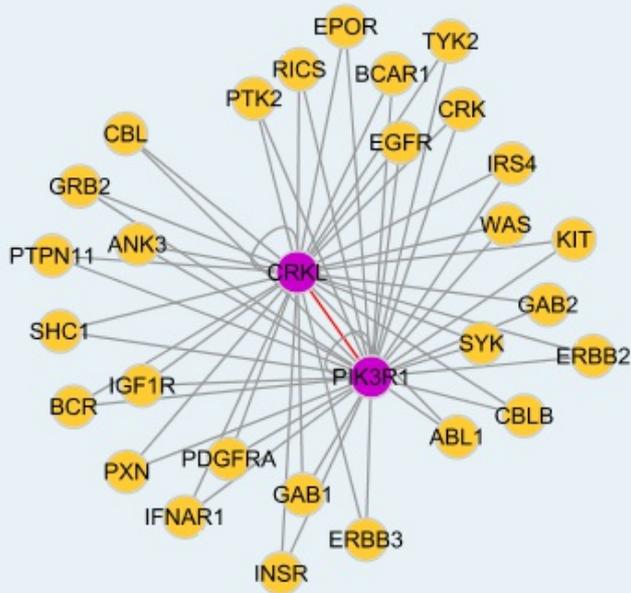
insulin resistance. Alternative splicing of this gene results in three transcript variants encoding different isoforms. [provided by RefSeq

**Other Designations:** phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha), phosphatidylinositol 3-kinase, regulatory, 1, phosphatidylinositol 3-kinase-associated p-85 alpha, phosphoinositide-3-kinase, regulatory subunit 1 (p85 alpha), phosphoinositide-3-ki

### Interactome 1



### Interactome 2



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