



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic)



## AKT1 & FRAP1 Protein Protein Interaction Antibody Pair

Catalog # : DI0271

規格 : [ 1 Set ]

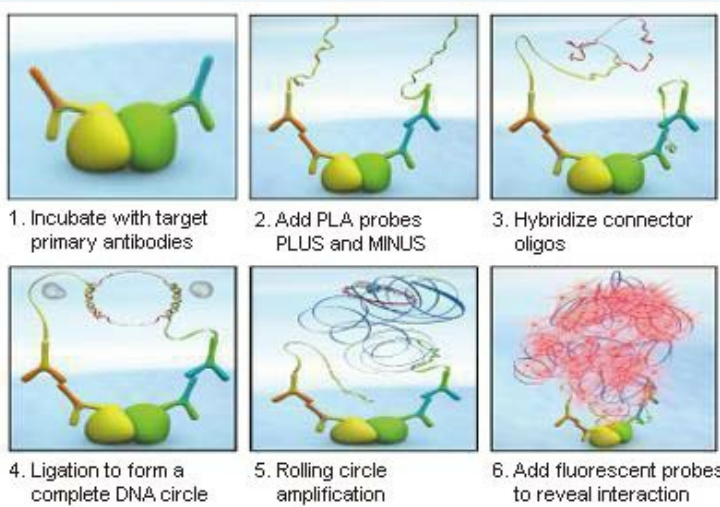
List All

### Specification

**Product Description:** This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the AKT1 protein, and the other against the FRAP1 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

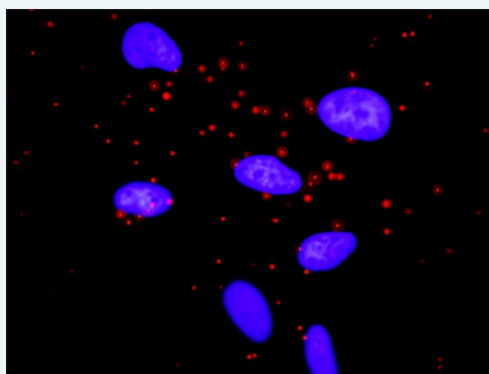
### Application Image

*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 AKT1 and FRAP1. HeLa cells were stained with anti-AKT1 rabbit purified polyclonal antibody 1:1200 and anti-FRAP1 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. AKT1 rabbit purified polyclonal antibody (20 ug)  
 2. FRAP1 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 -

**MSDS:****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)**AKT1 [MTOR](#)**Gene Information****Entrez GeneID:** [207](#)**Gene Name:** AKT1**Gene Alias:** AKT,MGC99656,PKB,PKB-ALPHA,PRKBA,RAC,RAC-ALPHA**Gene Description:** v-akt murine thymoma viral oncogene homolog 1**Omim ID:** [164730](#), [181500](#)**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** The serine-threonine protein kinase encoded by the AKT1 gene is catalytically inactive in serum-starved primary and immortalized fibroblasts. AKT1 and the related AKT2 are activated by platelet-derived growth factor. The activation is rapid and specific, and it is abrogated by mutations in the pleckstrin homology domain of AKT1. It was shown that the activation occurs through phosphatidylinositol 3-kinase. In the developing nervous system AKT is a critical mediator of growth factor-induced neuronal survival. Survival factors can suppress apoptosis in a transcription-independent manner by activating the serine/threonine kinase AKT1, which then phosphorylates and inactivates components of the apoptotic machinery. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq]

**Other Designations:** RAC-alpha serine/threonine-protein kinase,murine thymoma viral (v-akt) oncogene homolog-1,protein kinase B,rac protein kinase alpha

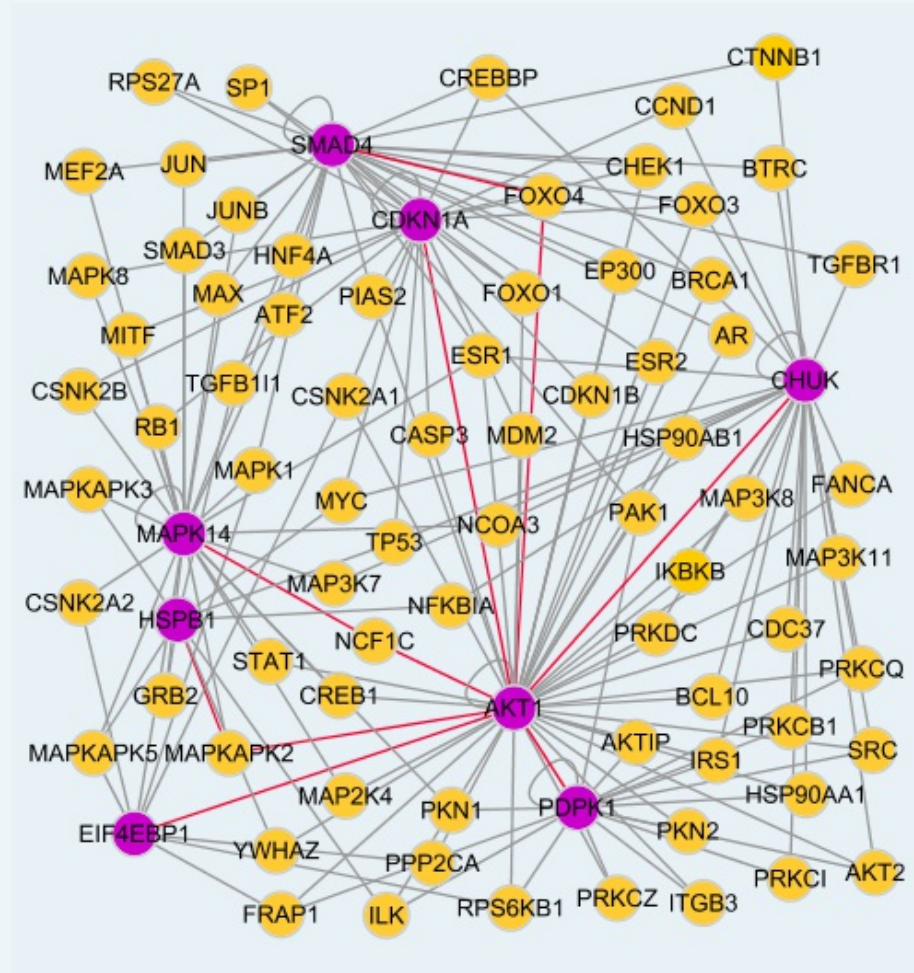
**Gene Information****Entrez GeneID:** [2475](#)**Gene Name:** MTOR**Gene Alias:** FRAP,FRAP1,FRAP2,RAFT1,RAPT1**Gene Description:** mechanistic target of rapamycin**Omim ID:** [601231](#)**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** The protein encoded by this gene belongs to a family of phosphatidylinositol kinase-related kinases. These kinases mediate

cellular responses to stresses such as DNA damage and nutrient deprivation. This protein acts as the target for the cell-cycle arrest and immunosuppressive effects of the FKBP12-rapamycin complex. The ANGPTL7 gene is located in an intron of this gene. [provided by RefSeq]

**Other Designations:** FK506 binding protein 12-rapamycin associated protein 1,FK506 binding protein 12-rapamycin associated protein 2,FK506-binding protein 12-rapamycin complex-associated protein 1,FKBP-rapamycin associated protein,FKBP12-rapamycin complex-associated protein 1

#### Interactome



[服務條款](#) | [隱私權政策](#) | [著作及商標](#) | [網站地圖](#)

©2016 亞諾法生技股份有限公司 Abnova Corporation. 版權所有.