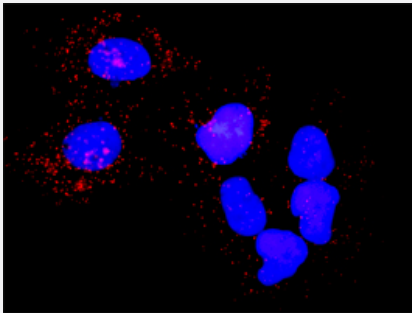


PLK1 & PKMYT1 Protein Protein Interaction Antibody Pair

Catalog # DI0012

Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between PLK1 and PKMYT1. Huh7 cells were stained with anti-PLK1 rabbit purified polyclonal antibody 1:1200 and anti-PKMYT1 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.

Specification

Product Description

This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the PLK1 protein, and the other against the PKMYT1 protein for use in [in situ Proximity Ligation Assay](#). [See Publication Reference below](#).

Reactivity

Human

Quality Control Testing

Protein protein interaction immunofluorescence result.

Representative image of Proximity Ligation Assay of protein-protein interactions between PLK1 and PKMYT1. Huh7 cells were stained with anti-PLK1 rabbit purified polyclonal antibody 1:1200 and anti-PKMYT1 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. PLK1 rabbit purified polyclonal antibody (100 ug)
2. PKMYT1 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.

Applications

- *In situ* Proximity Ligation Assay (Cell)

Gene Info — PLK1

Entrez GeneID	5347
Gene Name	PLK1
Gene Alias	PLK, STPK13
Gene Description	polo-like kinase 1 (Drosophila)
Omim ID	602098
Gene Ontology	Hyperlink
Other Designations	cell cycle regulated protein kinase polo (Drosophila)-like kinase polo like kinase polo-like kinase

Gene Info — PKMYT1

Entrez GeneID	9088
Gene Name	PKMYT1
Gene Alias	DKFZp547K1610, FLJ20093, MYT1
Gene Description	protein kinase, membrane associated tyrosine/threonine 1
Omim ID	602474
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase preferentially phosphorylates and inactivates cell division cycle 2 protein (CDC2), and thus negatively regulates cell cycle G2/M transition. This kinase is associated with the membrane throughout the cell cycle. Its activity is highly regulated during the cell cycle. Protein kinases AKT1/PKB and PLK (Polo-like kinase) have been shown to phosphorylate and regulate the activity of this kinase. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]
Other Designations	membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase protein kinase Myt1

Pathway

- [Cell cycle](#)
- [Cell cycle](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Lung Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)