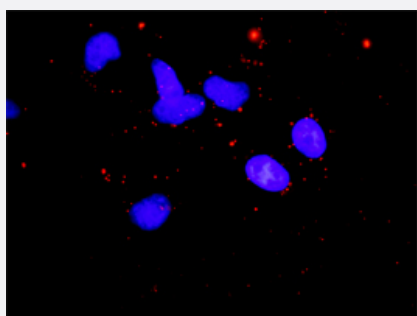


STK11 & CAB39 Protein Protein Interaction Antibody Pair

Catalog # DI0569

Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between STK11 and CAB39. HeLa cells were stained with anti-STK11 rabbit purified polyclonal antibody 1:1200 and anti-CAB39 mouse purified polyclonal 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 STK11 protein, and the other against the CAB39 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 STK11 and CAB39. HeLa cells were stained with anti-STK11 rabbit purified polyclonal antibody 1:1200 and anti-CAB39 mouse purified polyclonal 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. STK11 rabbit purified polyclonal antibody (100 ug)
2. CAB39 mouse purified polyclonal 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 — STK11

Entrez GeneID	6794
Gene Name	STK11
Gene Alias	LKB1, PJS
Gene Description	serine/threonine kinase 11
Omim ID	175200 273300 602216
Gene Ontology	Hyperlink
Gene Summary	This gene, which encodes a member of the serine/threonine kinase family, regulates cell polarity and functions as a tumor suppressor. Mutations in this gene have been associated with Peutz-Jeghers syndrome, an autosomal dominant disorder characterized by the growth of polyps in the gastrointestinal tract, pigmented macules on the skin and mouth, and other neoplasms. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq]
Other Designations	polarization-related protein LKB1 serine/threonine protein kinase 11

Gene Info — CAB39

Entrez GeneID	51719
Gene Name	CAB39
Gene Alias	CGI-66, FLJ22682, MO25
Gene Description	calcium binding protein 39
Gene Ontology	Hyperlink
Other Designations	-

Pathway

- [Adipocytokine signaling pathway](#)

- [mTOR signaling pathway](#)
- [mTOR signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colonic Neoplasms](#)
- [Colonic Polyps](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Gastrointestinal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hyperandrogenism](#)
- [Hyperinsulinism](#)
- [Insulin Resistance](#)
- [Long QT syndrome](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)

- [Peutz-Jeghers Syndrome](#)
- [Polycystic Ovary Syndrome](#)
- [Pulmonary Disease](#)
- [Torsades de Pointes](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)