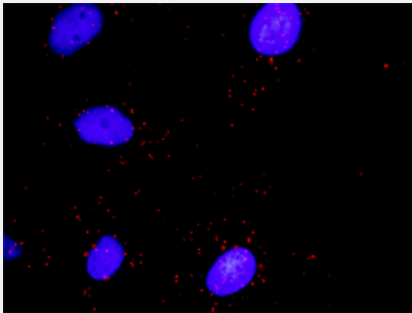


RHOA & DAAM1 Protein Protein Interaction Antibody Pair

Catalog # DI0603

Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between RHOA and DAAM1. HeLa cells were stained with anti-RHOA rabbit purified polyclonal antibody 1:1200 and anti-DAAM1 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 RHOA protein, and the other against the DAAM1 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 RHOA and DAAM1. HeLa cells were stained with anti-RHOA rabbit purified polyclonal antibody 1:1200 and anti-DAAM1 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. RHOA rabbit purified polyclonal antibody (100 ug)
2. DAAM1 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 — RHOA

Entrez GeneID	387
Gene Name	RHOA
Gene Alias	ARH12, ARHA, RHO12, RHOH12
Gene Description	ras homolog gene family, member A
Omim ID	165390
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	Aplysia ras-related homolog 12 oncogene RHO H12 small GTP binding protein RhoA

Gene Info — DAAM1

Entrez GeneID	23002
Gene Name	DAAM1
Gene Alias	FLJ41657, KIAA0666
Gene Description	dishevelled associated activator of morphogenesis 1
Omim ID	606626
Gene Ontology	Hyperlink
Gene Summary	Functions of the cell cortex, including motility, adhesion, and cytokinesis, are mediated by the reorganization of the actin cytoskeleton and recent evidence suggests a role for the Formin homology (FH) proteins in these processes. The protein encoded by this gene contains FH domains and belongs to a novel FH protein subfamily implicated in cell polarity. Wnt/Fz signaling activates the small GTPase Rho, a key regulator of cytoskeleton architecture, to control cell polarity and movement during development. Activation requires Dvl-Rho complex formation, an assembly mediated by this gene product, which is thought to function as a scaffolding protein. Evidence of alternative splicing has been observed for this gene but the full-length nature of these variants has not been determined. [provided by RefSeq]

Pathway

- [Adherens junction](#)
- [Axon guidance](#)
- [Chemokine signaling pathway](#)
- [Colorectal cancer](#)
- [Focal adhesion](#)
- [Leukocyte transendothelial migration](#)
- [Neurotrophin signaling pathway](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)
- [T cell receptor signaling pathway](#)
- [TGF-beta signaling pathway](#)
- [Tight junction](#)
- [Vascular smooth muscle contraction](#)
- [Wnt signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Angina Pectoris](#)
- [Cardiovascular Diseases](#)
- [Coronary Vasospasm](#)
- [Crohn Disease](#)

- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [HIV Infections](#)
- [Occupational Diseases](#)
- [Tobacco Use Disorder](#)