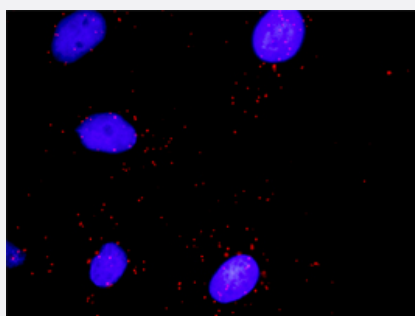


# RHOA & DAAM1 Protein Protein Interaction Antibody Pair

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	<a href="#">387</a>
Gene Name	RHOA
Gene Alias	ARH12, ARHA, RHO12, RHOH12
Gene Description	ras homolog gene family, member A
Omim ID	<a href="#">165390</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	O
Other Designations	Aplysia ras-related homolog 12 oncogene RHO H12 small GTP binding protein RhoA

## Gene Info — DAAM1

Entrez GeneID	<a href="#">23002</a>
Gene Name	DAAM1
Gene Alias	FLJ41657, KIAA0666
Gene Description	dishevelled associated activator of morphogenesis 1
Omim ID	<a href="#">606626</a>
Gene Ontology	<a href="#">Hyperlink</a>
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](#)