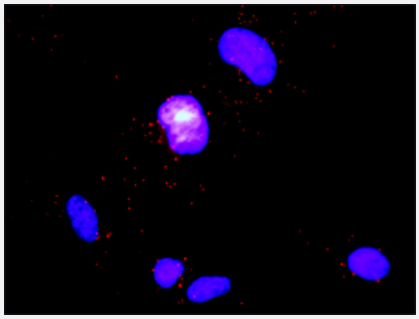
CD247 & DOCK2 Protein Protein Interaction Antibody Pair

Catalog # DI0153 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between CD247 and DOCK2. HeLa cells were stained with anti-CD247 rabbit purified polyclonal antibody 1:1200 and anti-DOCK2 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 CD247 protein, and the other against the DOCK2 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 CD247 and DOCK2. HeLa cells were stained with anti-CD247 rabbit purified polyclonal antibody 1:1200 and anti-DOCK2 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. CD247 rabbit purified polyclonal antibody (100 ug) 2. DOCK2 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 — CD247

Entrez GeneID	919
Gene Name	CD247
Gene Alias	CD3-ZETA, CD3H, CD3Q, CD3Z, T3Z, TCRZ
Gene Description	CD247 molecule
Omim ID	186780 610163
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is T-cell receptor zeta, which together with T-cell receptor alpha/beta and gamma/delta heterodimers, and with CD3-gamma, -delta and -epsilon, forms the T-cell receptor-CD3 complex. The zeta chain plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. Low expression of the antigen results in impaired immune response. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq
Other Designations	CD247 antigen, zeta subunit|CD3Z antigen, zeta polypeptide (TiT3 complex)|OTTHUMP00000032544|T-cell antigen receptor complex, zeta subunit of CD3|T-cell receptor T3 zeta chain|T-cell receptor zeta chain|T-cell surface glycoprotein CD3 zeta chain

Gene Info — DOCK2

Entrez GeneID	1794
Gene Name	DOCK2
Gene Alias	FLJ46592, KIAA0209
Gene Description	dedicator of cytokinesis 2
Omim ID	603122
Gene Ontology	Hyperlink
Gene Summary	The DOCK2 gene encodes a hematopoietic cell-specific CDM family protein that is indispensable for lymphocyte chemotaxis.[supplied by OMIM

Other Designations	dedicator of cyto-kinesis 2

Pathway

- Chemokine signaling pathway
- Fc gamma R-mediated phagocytosis
- Natural killer cell mediated cytotoxicity
- T cell receptor signaling pathway

Disease

- Arthritis
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hypertension
- Lupus Erythematosus
- Osteoporosis
- Scleroderma
- Tobacco Use Disorder