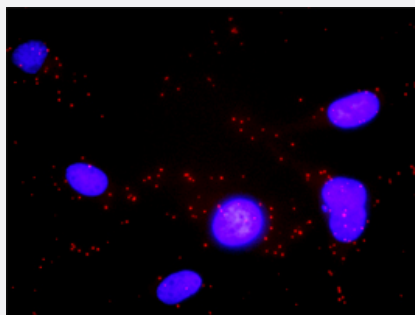


CXCR5 & GNAI2 Protein Protein Interaction Antibody Pair

Catalog # DI0220

Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between CXCR5 and GNAI2. HeLa cells were stained with anti-CXCR5 rabbit purified polyclonal antibody 1:1200 and anti-GNAI2 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 CXCR5 protein, and the other against the GNAI2 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 CXCR5 and GNAI2. HeLa cells were stained with anti-CXCR5 rabbit purified polyclonal antibody 1:1200 and anti-GNAI2 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. CXCR5 rabbit purified polyclonal antibody (100 ug)
2. GNAI2 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 — CXCR5

Entrez GeneID [643](#)

Gene Name CXCR5

Gene Alias BLR1, CD185, MDR15, MGC117347

Gene Description chemokine (C-X-C motif) receptor 5

Omim ID [601613](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene was identified as a gene specifically expressed in Burkitt's lymphoma and lymphatic tissues. The protein encoded by this gene is predicted to be a seven transmembrane G protein-coupled receptor and belongs to the CXC chemokine receptor family. BLC, a B-lymphocyte chemoattractant, was identified to be a specific ligand for this receptor. Studies of this gene and its mouse counterpart strongly suggest the essential function of this gene in B cell migration and localization within specific anatomic compartments, such as follicles in lymph nodes as well as in spleen. Two alternatively spliced variants of this gene exist. [provided by RefSeq]

Other Designations Burkitt lymphoma receptor 1|Burkitt lymphoma receptor 1, GTP binding protein (chemokine (C-X-C motif) receptor 5)|Burkitt lymphoma receptor 1, GTP-binding protein|C-X-C chemokine receptor type 5|monocyte-derived receptor 15

Gene Info — GNAI2

Entrez GeneID [2771](#)

Gene Name GNAI2

Gene Alias GIP, GNAI2B, H_LUCA15.1, H_LUCA16.1

Gene Description guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2

Omim ID [139360](#) [192605](#)

Gene Ontology [Hyperlink](#)

Gene Summary O

Other Designations

GTP-binding regulatory protein Gi alpha-2 chain|WUGSC:H_LUCA15.1|WUGSC:H_LUCA16.1

Pathway

- [Axon guidance](#)
- [Chemokine signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)
- [Gap junction](#)
- [Leukocyte transendothelial migration](#)
- [Long-term depression](#)
- [Melanogenesis](#)
- [Tight junction](#)

Disease

- [Adenoma](#)
- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Pituitary Neoplasms](#)

- [Schizophrenia](#)