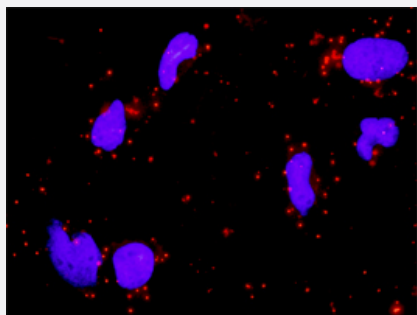


DVL1 & CSNK2A1 Protein Protein Interaction Antibody Pair

Catalog # DI0595

Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between DVL1 and CSNK2A1. HeLa cells were stained with anti-DVL1 rabbit purified polyclonal antibody 1:1200 and anti-CSNK2A1 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 DVL1 protein, and the other against the CSNK2A1 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 DVL1 and CSNK2A1. HeLa cells were stained with anti-DVL1 rabbit purified polyclonal antibody 1:1200 and anti-CSNK2A1 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. DVL1 rabbit purified polyclonal antibody (100 ug)
2. CSNK2A1 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 — CSNK2A1

Entrez GeneID	1457
Gene Name	CSNK2A1
Gene Alias	CK2A1, CKII
Gene Description	casein kinase 2, alpha 1 polypeptide
Omim ID	115440
Gene Ontology	Hyperlink
Gene Summary	Casein kinase II is a serine/threonine protein kinase that phosphorylates acidic proteins such as casein. The kinase exists as a tetramer and is composed of an alpha, an alpha-prime, and two beta subunits. The alpha subunits contain the catalytic activity while the beta subunits undergo autophosphorylation. The protein encoded by this gene represents the alpha subunit. While this gene is found on chromosome 20, a related transcribed pseudogene is found on chromosome 11. Three transcript variants encoding two different proteins have been found for this gene. [provided by RefSeq]
Other Designations	CK2 catalytic subunit alpha OTTHUMP00000029925 OTTHUMP00000029926 casein kinase II alpha 1 subunit casein kinase II alpha subunit protein kinase CK2

Gene Info — DVL1

Entrez GeneID	1855
Gene Name	DVL1
Gene Alias	DVL, MGC54245
Gene Description	dishevelled, dsh homolog 1 (Drosophila)
Omim ID	601365
Gene Ontology	Hyperlink

Gene Summary

DVL1, the human homolog of the Drosophila dishevelled gene (dsh) encodes a cytoplasmic phosphoprotein that regulates cell proliferation, acting as a transducer molecule for developmental processes, including segmentation and neuroblast specification. DVL1 is a candidate gene for neuroblastomatous transformation. The Schwartz-Jampel syndrome and Charcot-Marie-Tooth disease type 2A have been mapped to the same region as DVL1. The phenotypes of these diseases may be consistent with defects which might be expected from aberrant expression of a DVL gene during development. [provided by RefSeq]

Other Designations

OTTHUMP00000003104|dishevelled 1|dishevelled 1 (homologous to Drosophila dsh)

Pathway

- [Adherens junction](#)
- [Basal cell carcinoma](#)
- [Colorectal cancer](#)
- [Melanogenesis](#)
- [Notch signaling pathway](#)
- [Pathways in cancer](#)
- [Tight junction](#)
- [Wnt signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)