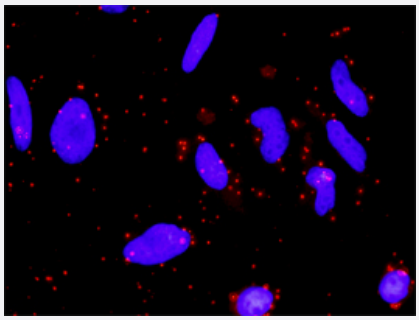
WNT5A & FZD5 Protein Protein Interaction Antibody Pair

Catalog # DI0585 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between WNT5A and FZD5. HeLa cells were stained with anti-WNT5A rabbit purified polyclonal antibody 1:1200 and anti-FZD5 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 WNT5A protein, and the other against the FZD5 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 WNT5A and FZD5. HeLa cells were stained with anti-WNT5A rabbit purified polyclonal antibody 1:1200 and anti-FZD5 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. WNT5A rabbit purified polyclonal antibody (100 ug) 2. FZD5 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 — WNT5A

Entrez GeneID	7474
Gene Name	WNT5A
Gene Alias	hWNT5A
Gene Description	wingless-type MMTV integration site family, member 5A
Omim ID	164975
Gene Ontology	Hyperlink
Gene Summary	The WNT gene family consists of structurally related genes which encode secreted signaling prot eins. These proteins have been implicated in oncogenesis and in several developmental process es, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It encodes a protein which shows 98%, 98% and 87% amino acid identit y to the mouse, rat and the xenopus Wnt5A protein, respectively. The experiments performed in X enopus laevis embryos identified that human frizzled-5 (hFz5) is the receptor for the Wnt5A ligand and the Wnt5A/hFz5 signaling mediates axis induction. [provided by RefSeq
Other Designations	WNT-5A protein

Gene Info — FZD5

Entrez GeneID	7855
Gene Name	FZD5
Gene Alias	C2orf31, DKFZp434E2135, HFZ5, MGC129692
Gene Description	frizzled homolog 5 (Drosophila)
Omim ID	601723
Gene Ontology	Hyperlink
Gene Summary	Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are receptor s for Wnt signaling proteins. The FZD5 protein is believed to be the receptor for the Wnt5A ligand. [provided by RefSeq
Other Designations	Wnt receptor|frizzled 5|seven-transmembrane receptor frizzled-5

Pathway

- Basal cell carcinoma
- Basal cell carcinoma
- Colorectal cancer
- Hedgehog signaling pathway
- Melanogenesis
- Melanogenesis
- Pathways in cancer
- Pathways in cancer
- Wnt signaling pathway
- Wnt signaling pathway

Disease

- Amyotrophic lateral sclerosis
- Anoxia
- Cleft Lip
- Cleft Palate
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Ovarian Neoplasms
- Tobacco Use Disorder
- Tuberculosis
- Tuberculosis