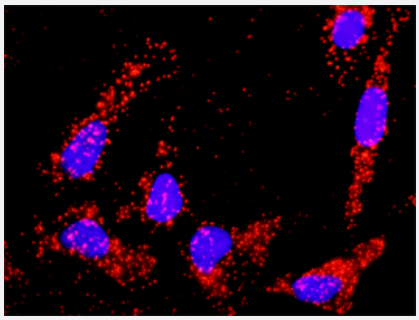
TGFB2 & APP Protein Protein Interaction Antibody Pair

Catalog # DI0056 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between TGFB2 and APP. HeLa cells were stained with anti-TGFB2 rabbit purified polyclonal antibody 1:1200 and anti-APP 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 TGFB2 protein, and the other against the APP 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 TGFB2 and APP. HeLa cells were stained with anti-TGFB2 rabbit purified polyclonal antibody 1:1200 and anti-APP 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 Products	Antibody pair set content: 1. TGFB2 rabbit purified polyclonal antibody (100 ug) 2. APP 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

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- *In situ* Proximity Ligation Assay (Cell)

Gene Info — APP

Entrez GeneID	351
Gene Name	APP
Gene Alias	AAA, ABETA, ABPP, AD1, APPI, CTFgamma, CVAP, PN2
Gene Description	amyloid beta (A4) precursor protein
Omim ID	104760 605714
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq
Other Designations	A4 amyloid protein|amyloid beta A4 protein|amyloid-beta protein|beta-amyloid peptide|cerebral vascular amyloid peptide|peptidase nexin-II|protease nexin-II

Gene Info — TGFB2

Entrez GeneID	7042
Gene Name	TGFB2
Gene Alias	MGC116892, TGF-beta2
Gene Description	transforming growth factor, beta 2
Omim ID	190220
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	OTTHUMP00000037528

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Pathway

- Cell cycle
- Chronic myeloid leukemia
- Colorectal cancer
- Cytokine-cytokine receptor interaction
- Hypertrophic cardiomyopathy (HCM)
- MAPK signaling pathway
- Pancreatic cancer
- Pathways in cancer
- Renal cell carcinoma
- TGF-beta signaling pathway

Disease

- Acute Disease
- Alzheimer disease
- Amyloidosis
- Asthma
- Breast cancer
- Breast Neoplasms
- Bronchiolitis
- Cardiovascular Diseases
- Cardiovascular Diseases
- Celiac Disease
- Celiac Disease

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- Cellulitis
- Cerebral Hemorrhage
- Cerebrovascular Disorders
- Cleft Lip
- Cleft Palate
- Cognition
- Cognition Disorders
- Coronary Artery Disease
- Dementia
- Diabetes Mellitus
- Diabetes Mellitus
- Disease Models
- Disease Progression
- Disease Progression
- Disease Susceptibility
- Down Syndrome
- Edema
- Edema
- Fractures
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Graft vs Host Disease
- Headache
- Hepatitis C
- Infant
- Keloid

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- Liver Cirrhosis
- Lupus Erythematosus
- Macular Degeneration
- Malaria
- Mental Status Schedule
- Multiple Sclerosis
- Myopia
- Neuropsychological Tests
- Obesity
- Osteoporosis
- Ovarian Failure
- Ovarian Neoplasms
- Parkinson disease
- Polycystic Ovary Syndrome
- Psychiatric Status Rating Scales
- Puberty
- Pulmonary Fibrosis
- Recurrence
- Respiratory Syncytial Virus Infections
- Sarcoidosis
- Thrombophilia
- Tobacco Use Disorder
- Tobacco Use Disorder
- Tourette Syndrome

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