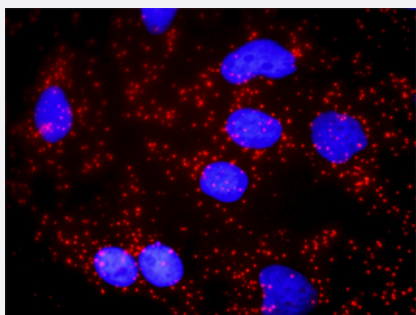


SNCA & APP Protein Protein Interaction Antibody Pair

Catalog # DI0059

Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between SNCA and APP. HeLa cells were stained with anti-SNCA 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 SNCA 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 SNCA and APP. HeLa cells were stained with anti-SNCA 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 Product

Antibody pair set content:
1. SNCA 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

- *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 cerebral amyloid angiopathy (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 vasculature amyloid peptide peptidase nexin-II protease nexin-II

Gene Info — SNCA

Entrez GeneID	6622
Gene Name	SNCA
Gene Alias	MGC110988, NACP, PARK1, PARK4, PD1
Gene Description	synuclein, alpha (non A4 component of amyloid precursor)
Omim ID	127750 163890 168601 605543
Gene Ontology	Hyperlink

Gene Summary

Alpha-synuclein is a member of the synuclein family, which also includes beta- and gamma-synuclein. Synucleins are abundantly expressed in the brain and alpha- and beta-synuclein inhibit phospholipase D2 selectively. SNCA may serve to integrate presynaptic signaling and membrane trafficking. Defects in SNCA have been implicated in the pathogenesis of Parkinson disease. SNCA peptides are a major component of amyloid plaques in the brains of patients with Alzheimer's disease. Four alternatively spliced transcripts encoding two different isoforms have been identified for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000161559|OTTHUMP00000161561|alpha synuclein|alpha-synuclein|alpha-synuclein, isoform NACP140|non A-beta component of AD amyloid|non A4 component of amyloid

Disease

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Amyloidosis](#)
- [Association Learning](#)
- [Attention](#)
- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Cerebral Hemorrhage](#)
- [Cerebrovascular Disorders](#)
- [Chromosome Breakage](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Cognition Disorders](#)
- [Color Perception](#)
- [Cystic fibrosis](#)

- [Dementia](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Disease Susceptibility](#)
- [Down Syndrome](#)
- [Edema](#)
- [Essential tremor](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Headache](#)
- [Lewy Body Disease](#)
- [Macular Degeneration](#)
- [Mental Recall](#)
- [Mental Status Schedule](#)
- [Metabolic Syndrome X](#)
- [Movement Disorders](#)
- [Multiple System Atrophy](#)
- [Neoplasms](#)
- [Nerve Degeneration](#)
- [Neuroblastoma](#)
- [Neurodegenerative Diseases](#)
- [Neuropsychological Tests](#)

- [Neuropsychological Tests](#)
- [Olfaction Disorders](#)
- [Osteoporosis](#)
- [Parkinson disease](#)
- [Parkinsonian Disorders](#)
- [Psychiatric Status Rating Scales](#)
- [Psychological Tests](#)
- [Psychomotor Performance](#)
- [Psychoses](#)
- [Recurrence](#)
- [Serial Learning](#)
- [Smell](#)
- [Substance-Related Disorders](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Tobacco Use Disorder](#)
- [Tourette Syndrome](#)