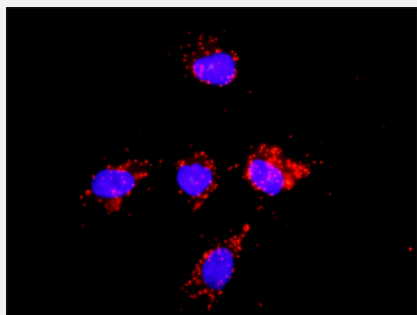


BACE1 & CSNK1D Protein Protein Interaction Antibody Pair

Catalog # DI0131

Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between BACE1 and CSNK1D. HeLa cells were stained with anti-BACE1 rabbit purified polyclonal antibody 1:1200 and anti-CSNK1D 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 BACE1 protein, and the other against the CSNK1D 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 BACE1 and CSNK1D. HeLa cells were stained with anti-BACE1 rabbit purified polyclonal antibody 1:1200 and anti-CSNK1D 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. BACE1 rabbit purified polyclonal antibody (100 ug)
2. CSNK1D 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 — CSNK1D

Entrez GeneID	1453
Gene Name	CSNK1D
Gene Alias	HCKID
Gene Description	casein kinase 1, delta
Omim ID	600864
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the casein kinase I (CKI) gene family whose members have been implicated in the control of cytoplasmic and nuclear processes, including DNA replication and repair. The encoded protein is highly similar to the mouse and rat CK1 delta homologs. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	-

Gene Info — BACE1

Entrez GeneID	23621
Gene Name	BACE1
Gene Alias	ASP2, BACE, FLJ90568, HSPC104, KIAA1149
Gene Description	beta-site APP-cleaving enzyme 1
Omim ID	604252
Gene Ontology	Hyperlink
Gene Summary	Cerebral deposition of amyloid beta peptide is an early and critical feature of Alzheimer's disease. Amyloid beta peptide is generated by proteolytic cleavage of amyloid precursor protein (APP) by two proteases, one of which is the protein encoded by this gene. The encoded protein, a member of the peptidase A1 protein family, is a type I integral membrane glycoprotein and aspartic protease that is found mainly in the Golgi. Four transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]

Other Designations

APP beta-secretase|aspartyl protease 2|beta-secretase|beta-site amyloid beta A4 precursor protein-cleaving enzyme|beta-site amyloid precursor protein cleaving enzyme|memapsin-2|membrane-associated aspartic protease 2|transmembrane aspartic proteinase Asp2

Pathway

- [Circadian rhythm - mammal](#)
- [Gap junction](#)
- [Hedgehog signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Alzheimer disease](#)
- [Amnesia](#)
- [Bipolar Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Communicable Diseases](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)

- [Hyperparathyroidism](#)
- [Metabolic Syndrome X](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
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- [Neuropsychological Tests](#)
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