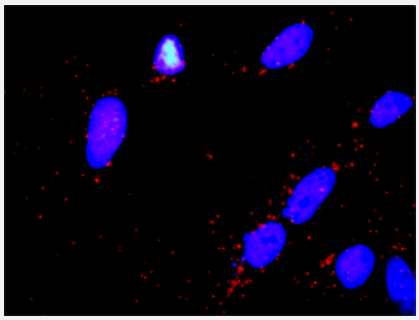
PARK2 & DLG1 Protein Protein Interaction Antibody Pair

Catalog # DI0151 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between PARK2 and DLG1. HeLa cells were stained with anti-PARK2 rabbit purified polyclonal antibody 1:1200 and anti-DLG1 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 PARK2 protein, and the other against the DLG1 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 PARK2 and DLG1. HeLa cells were stained with anti-PARK2 rabbit purified polyclonal antibody 1:1200 and anti-DLG1 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. PARK2 rabbit purified polyclonal antibody (100 ug) 2. DLG1 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 — DLG1

Entrez GeneID	1739
Gene Name	DLG1
Gene Alias	DKFZp761P0818, DKFZp781B0426, DLGH1, SAP-97, SAP97, dJ1061C18.1.1, hdlg
Gene Description	discs, large homolog 1 (Drosophila)
Omim ID	601014
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	OTTHUMP00000165202|discs large homolog 1|discs, large homolog 1|presynaptic protein SAP 97|synapse-associated protein 97

Gene Info — PARK2

Entrez GeneID	5071
Gene Name	PARK2
Gene Alias	AR-JP, LPRS2, PDJ, PRKN
Gene Description	Parkinson disease (autosomal recessive, juvenile) 2, parkin
Omim ID	211980 600116 602544 604370 607572
Gene Ontology	Hyperlink
Gene Summary	The precise function of this gene is unknown; however, the encoded protein is a component of a multiprotein E3 ubiquitin ligase complex that mediates the targeting of substrate proteins for prote asomal degradation. Mutations in this gene are known to cause Parkinson disease and autosom al recessive juvenile Parkinson disease. Alternative splicing of this gene produces multiple transc ript variants encoding distinct isoforms. Additional splice variants of this gene have been describ ed but currently lack transcript support. [provided by RefSeq
Other Designations	E3 ubiquitin ligase|OTTHUMP00000017565|OTTHUMP00000017566|OTTHUMP00000017567| parkin|parkin 2

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Pathway

- T cell receptor signaling pathway
- Ubiquitin mediated proteolysis

Disease

- Alzheimer disease
- Cardiovascular Diseases
- Choice Behavior
- Cognition Disorders
- Diabetes Mellitus
- Diabetic Nephropathies
- Disease Progression
- Disease Susceptibility
- Dystonic Disorders
- Edema
- Essential tremor
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Leprosy
- Mental Disorders
- Movement Disorders
- Nerve Degeneration
- Neuropsychological Tests
- Paratyphoid Fever

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- Parkinson disease
- Parkinsonian Disorders
- Pattern Recognition
- Reaction Time
- Schizophrenia
- Supranuclear Palsy
- Tobacco Use Disorder
- Tobacco Use Disorder
- Tremor
- Tuberculosis
- Typhoid Fever

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