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PTK2 & ERBB2 Protein Protein Interaction Antibody Pair

Catalog # : DI0161

規格 : [1 Set]

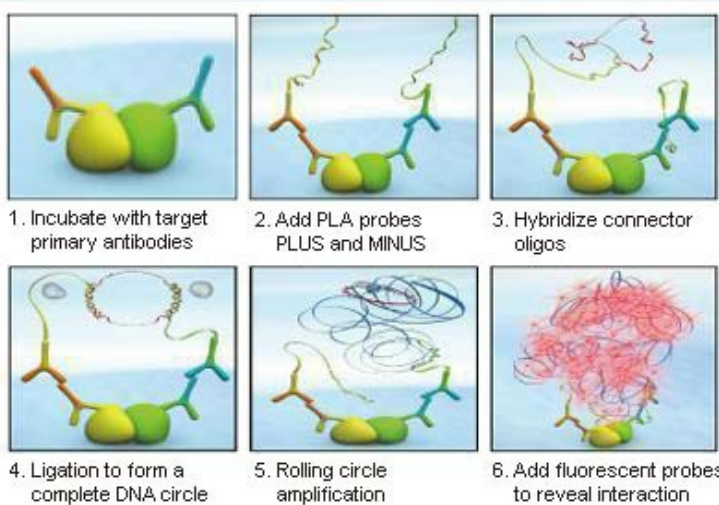
[List All](#)

Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the PTK2 protein, and the other against the ERBB2 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

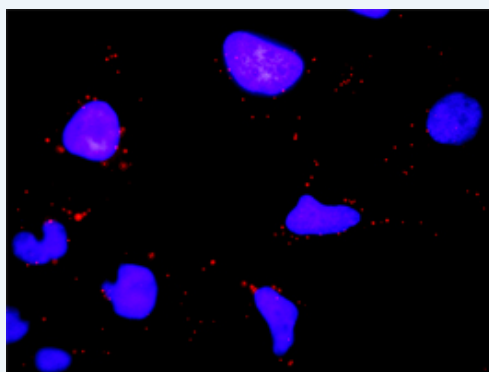
Application Image

In situ Proximity Ligation Assay (Cell)



Reactivity: Human

Quality Control Testing: Protein protein interaction immunofluorescence result.



Supplied Product: Antibody pair set content:
 1. PTK2 rabbit purified polyclonal antibody (20 ug)
 2. ERBB2 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 -

MSDS:[Download](#)**Publication Reference**

1. An analysis of protein-protein interactions in cross-talk pathways reveals CRKL as a novel prognostic marker in hepatocellular carcinoma. Liu CH, Chen TC, Chau GY, Jan YH, Chen CH, Hsu CN, Lin KT, Juang YL, Lu PJ, Cheng HC, Chen MH, Chang CF, Ting YS, Kao CY, Hsiao M, Huang CY. Mol Cell Proteomics. 2013 Feb 8. [Epub ahead of print]

Applications***In situ* Proximity Ligation Assay (Cell)**[ERBB2](#) [PTK2](#)**Gene Information****Entrez GeneID:** [5747](#)**Gene Name:** PTK2**Gene Alias:** FADK,FAK,FAK1,pp125FAK**Gene Description:** PTK2 protein tyrosine kinase 2**Omim ID:** [600758](#)**Gene Ontology:** [Hyperlink](#)

Gene Summary: This gene encodes a cytoplasmic protein tyrosine kinase which is found concentrated in the focal adhesions that form between cells growing in the presence of extracellular matrix constituents. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Activation of this gene may be an important early step in cell growth and intracellular signal transduction pathways triggered in response to certain neural peptides or to cell interactions with the extracellular matrix. At least four transcript variants encoding four different isoforms have been found for this gene, but the full-length natures of only two of them have been determined. [provided by RefSeq]

Other Designations: focal adhesion kinase 1

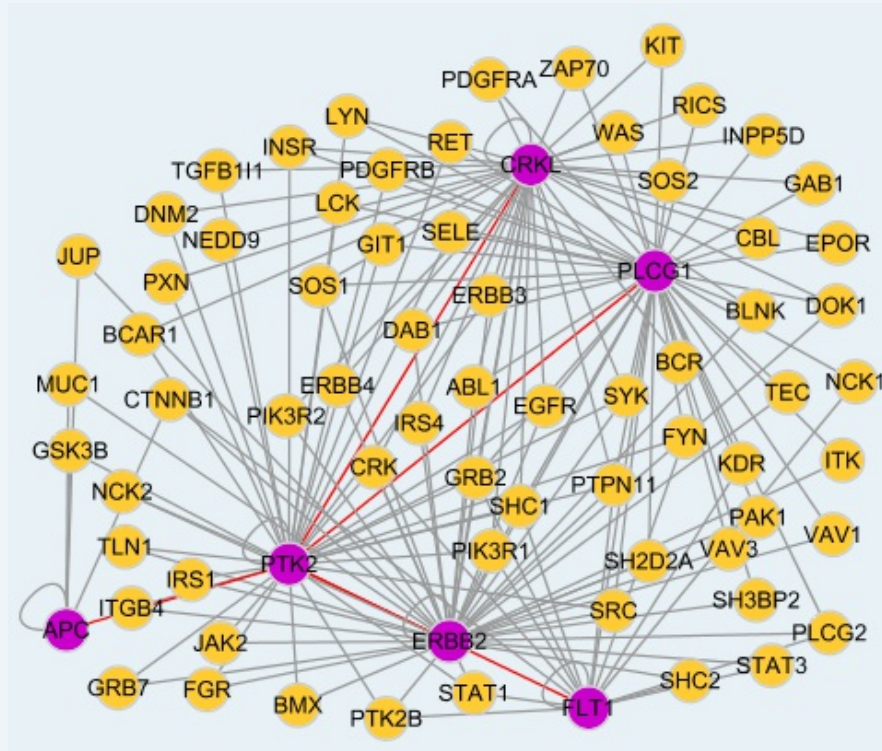
Gene Information**Entrez GeneID:** [2064](#)**Gene Name:** ERBB2**Gene Alias:** CD340,HER-2,HER-2/neu,HER2,NEU,NGL,TKR1**Gene Description:** v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)**Omim ID:** [137215](#), [137800](#), [164870](#), [211980](#)**Gene Ontology:** [Hyperlink](#)

Gene Summary: This gene encodes a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. This protein has no ligand binding domain of its own and therefore cannot bind growth factors.

However, it does bind tightly to other ligand-bound EGF receptor family members to form a heterodimer, stabilizing ligand binding and enhancing kinase-mediated activation of downstream signalling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase. Allelic variations at amino acid positions 654 and 655 of isoform a (positions 624 and 625 of isoform b) have been reported, with the most common allele, Ile654/Ile655, shown here. Amplification and/or overexpression of this gene has been reported in numerous cancers, including breast and ovarian tumors. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized. [provided by RefSeq]

Other Designations: c-erb B2/neu protein,erbB-2,herstatin,neuroblastoma/glioblastoma derived oncogene homolog,v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog)

Interactome 1



Interactome 2

