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APC & SIAH1 Protein Protein Interaction Antibody Pair

Catalog # : DI0402

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 APC protein, and the other against the SIAH1 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

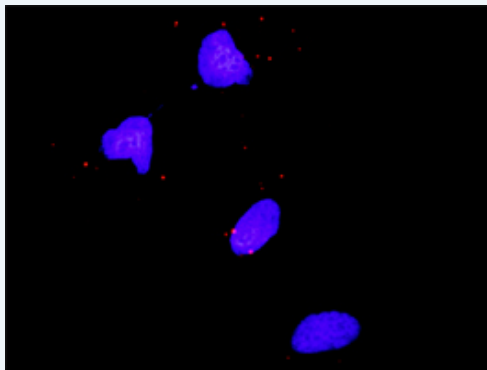


Application Image

In situ Proximity Ligation Assay (Cell)

Reactivity: Human

Quality Control Testing: Protein protein interaction immunofluorescence result.



Representative image of Proximity Ligation Assay of protein-protein interactions between APC and SIAH1. HeLa cells were stained with anti-APC rabbit purified polyclonal antibody 1:1200 and anti-SIAH1 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. APC rabbit purified polyclonal antibody (20 ug)
 2. SIAH1 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.

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)

[APC](#) [SIAH1](#)

Gene Information

Entrez GeneID: [324](#)

Gene Name: APC

Gene Alias: BTPS2,DP2,DP2.5,DP3,GS

Gene Description: adenomatous polyposis coli

Omim ID: [135290](#), [137215](#), [155255](#), [175100](#), [276300](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes a tumor suppressor protein that acts as an antagonist of the Wnt signaling pathway. It is also involved in other processes including cell migration and adhesion, transcriptional activation, and apoptosis. Defects in this gene cause familial adenomatous polyposis (FAP), an autosomal dominant pre-malignant disease that usually progresses to malignancy. Disease-associated mutations tend to be clustered in a small region designated the mutation cluster region (MCR) and result in a truncated protein product. [provided by RefSeq]

Other Designations: adenomatosis polyposis coli tumor suppressor

Gene Information

Entrez GeneID: [6477](#)

Gene Name: SIAH1

Gene Alias: FLJ08065,HUMSIAH,Siah-1,Siah-1a,hSIAH1

Gene Description: seven in absentia homolog 1 (Drosophila)

Omim ID: [602212](#)

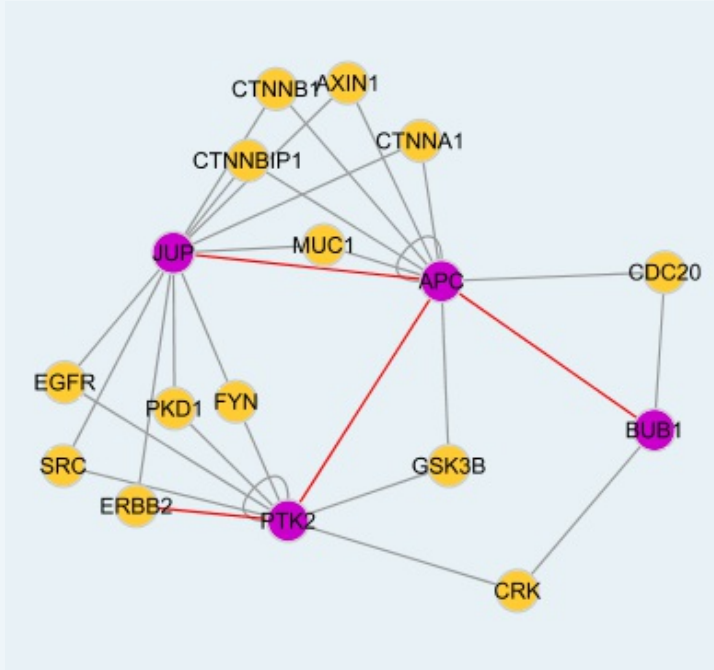
Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes a protein that is a member of the seven in absentia homolog (SIAH) family. The protein is an E3 ligase and is involved in ubiquitination and proteasome-mediated degradation of specific proteins. The activity of this ubiquitin ligase has been implicated in the development of certain forms of Parkinson's disease, the regulation of

the cellular response to hypoxia and induction of apoptosis. 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: seven in absentia homolog 1,sonic hedgehog homolog

Interactome



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