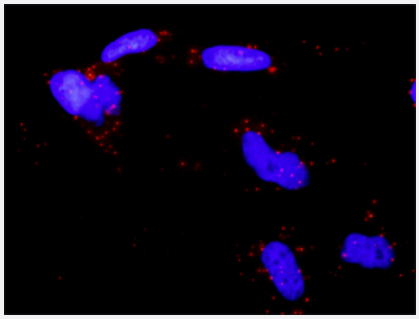
EPAS1 & SMAD3 Protein Protein Interaction Antibody Pair

Catalog # DI0419 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between EPAS1 and SMAD3. HeLa cells were stained with anti-EPAS1 rabbit purified polyclonal antibody 1:1200 and anti-SMAD3 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 EPAS1 protein, and the other against the SMAD3 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 EPAS1 and SMAD3. HeLa cells were stained with anti-EPAS1 rabbit purified polyclonal antibody 1:1200 and anti-SMAD3 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. EPAS1 rabbit purified polyclonal antibody (100 ug) 2. SMAD3 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- *In situ* Proximity Ligation Assay (Cell)

Gene Info — EPAS1

Entrez GeneID	2034
Gene Name	EPAS1
Gene Alias	ECYT4, HIF2A, HLF, MOP2, PASD2, bHLHe73
Gene Description	endothelial PAS domain protein 1
Omim ID	603349
Gene Ontology	Hyperlink
Other Designations	HIF-1alpha-like factor

Gene Info — SMAD3

Entrez GeneID	4088
Gene Name	SMAD3
Gene Alias	DKFZp586N0721, DKFZp686J10186, HSPC193, HsT17436, JV15-2, MADH3, MGC60396
Gene Description	SMAD family member 3
Omim ID	603109
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the SMAD, a family of proteins similar to the gene products of the Drosophila gene 'mothers against decapentaplegic' (Mad) and the C. elegans gene Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein functions as a transcriptional modulator activated by transforming growth factor-beta and is thought to play a role in the regulation of carcinogenesis. [provided by RefSeq
Other Designations	MAD, mothers against decapentaplegic homolog 3|SMA- and MAD-related protein 3|SMAD, mothers against DPP homolog 3|mad homolog JV15-2|mad protein homolog|mothers against decapentaplegic homolog 3

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Pathway

- Adherens junction
- Cell cycle
- Chronic myeloid leukemia
- Colorectal cancer
- Pancreatic cancer
- Pathways in cancer
- Pathways in cancer
- Renal cell carcinoma
- TGF-beta signaling pathway
- Wnt signaling pathway

Disease

- Altitude Sickness
- Alzheimer disease
- Anemia
- Anoxia
- Asthma
- Bacteremia
- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Cleft Lip
- Cleft Palate
- Coronary Artery Disease

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Crohn Disease
- Diabetes Mellitus
- Diabetes Mellitus
- Diabetic Nephropathies
- Edema
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Graft vs Host Disease
- Head and Neck Neoplasms
- Hypersensitivity
- Hypertension
- Hypertension
- Keloid
- Kidney Failure
- Liver Cirrhosis
- Neoplasm Recurrence
- Neoplasms
- Obesity
- Occupational Diseases
- Osteoarthritis
- Osteoporosis
- Ovarian cancer
- Ovarian Failure
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Polycystic Ovary Syndrome
- Polycythemia
- Prostate cancer
- Prostatic Neoplasms
- Puberty
- Pulmonary Disease
- Retinopathy of Prematurity
- Thrombophilia
- Tobacco Use Disorder

Copyright © 2023 Abnova Corporation. All Rights Reserved.