

# Produktinformation



Forschungsprodukte & Biochemikalien
Zellkultur & Verbrauchsmaterial
Diagnostik & molekulare Diagnostik
Laborgeräte & Service

Weitere Information auf den folgenden Seiten! See the following pages for more information!



Lieferung & Zahlungsart siehe unsere Liefer- und Versandbedingungen

# Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

## SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien T. +43(0)1 489 3961-0 F. +43(0)1 489 3961-7 <u>mail@szabo-scandic.com</u> www.szabo-scandic.com



## SMAD2(phospho S467) & SMAD2 Protein Phosphorylation Antibody Pair

## Catalog #: DP0240

規格:[1Set]

List All



Quality Control Dual recognition immunofluorescence result.

Testing:	Representative image of Proximity Ligation Assay of protein phosphorylation. HeLa cells were stained with dual recognition antibody pair set, rabbit polyclonal antibody 1:1200 and mouse monoclonal antibody 1:50. Each red dot represents one single phosphorylated protein. 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. Phospho-SMAD2 S467 rabbit polyclonal antibody (20 ul) In PBS (without Mg2+ and Ca2+), 150 mM NaCl, pH 7.4 (0.02% sodium azide, 50% glycerol) 2. SMAD2 mouse monoclonal antibody (40 ug) In 1x PBS, pH 7.2 *Reagents are sufficient for at least 30-50 assays using recommended protocols.	

Storage	Store reagents of the antibody pair set at -20°C or lower. Please aliquot
Instruction:	to avoid repeated freeze thaw cycle. Reagents should be returned to -
	20°C storage immediately after use.

#### **Publication Reference**

- In situ detection of phosphorylated platelet-derived growth factor receptor beta using a generalized proximity ligation method.
   Jarvius M, Paulsson J, Weibrecht I, Leuchowius KJ, Andersson AC, Wahlby C, Gullberg M,Botling J, Sjoblom T, Markova B, Ostman A, Landegren U, Soderberg O. Mol Cell Proteomics. 2007 Sep;6(9):1500-9. Epub 2007 Jun 12.
- Direct observation of individual endogenous protein complexes in situ by proximity ligation.
   Soderberg O, Gullberg M, Jarvius M, Ridderstrale K, Leuchowius KJ, Jarvius J, Wester K, Hydbring P, Bahram F, Larsson LG, and Landegren U. Nat Methods. 2006 Dec;3(12):995-1000. Epub 2006 Oct 29.
- <u>Cytokine detection by antibody-based proximity ligation.</u> Gullberg M, Gustafsdottir SM, Schallmeiner E, Jarvius J, Bjarnegard M, Betsholtz C, Landegren U, and Fredriksson S. Proc Natl Acad Sci U S A. 2004 Jun 1;101(22):8420-4. Epub 2004 May 21.
- Protein detection using proximity-dependent DNA ligation assays. Fredriksson S, GullbergM, Jarvius J, Olsson C, Pietras K, Gustafsdottir SM, Ostman A, and Landegren U. Nat Biotechnol. 2002 May;20(5):473-7.
- <u>Highly specific detection of phosphorylated proteins by Duolink</u> Mats Gullberg and Ann-Catrin Andersson Nature Methods 6. 2009

### **Applications**

In situ Proximity Ligation Assay (Cell)

Gene Informatio	on
Entrez GenelD:	4087
Gene Name:	SMAD2
Gene Alias:	JV18, JV18-1, MADH2, MADR2, MGC22139, MGC34440, hMAD-2, hSMAD2
Gene Description:	SMAD family member 2
Omim ID:	<u>601366</u>
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 mediates the signal of the transforming growth factor (TGF)-beta, and thus regulates multiple cellular processes, such as cell proliferation, apoptosis, and differentiation. This protein is recruited to the TGF-beta receptors through its interaction with the SMAD anchor for receptor activation (SARA) protein. In response to TGF-beta signal, this protein is phosphorylated by the TGF-beta receptors. The phosphorylation induces the dissociation of this protein with SARA and the association with the family member SMAD4. The association with SMAD4 is important for the translocation of this protein into the nucleus, where it binds to target promoters and forms a transcription repressor complex with other cofactors. This protein can also be phosphorylated by activin type 1 receptor kinase, and mediates the signal from the activin. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq

Other Designations:	MAD, mothers against decapentaplegic homolog 2,Mad protein homolog,Mad, mothers against decapentaplegic homolog 2,Mad-related protein 2,SMAD, mothers against DPP homolog 2,Sma- and Mad- related protein 2,mother against DPP homolog 2
Gene Pathway	
Adherens junction	on <u>Cell cycle Colorectal cancer</u> <u>Pancreatic cancer</u> <u>Pathways in cancer</u> ling pathway <u>Wnt signaling pathway</u>
Related Diseas	e
Adenocarcinoma Cleft Lip Cleft Palate Colitis, Ulcerative Colorectal Neoplasms	
Crohn's disease	Esophageal Neoplasms Genetic Predisposition to Disease
Hypertension, Pulmonary Inflammatory Bowel Diseases Liver Cirrhosis Obesity	
Osteoporosis Ov	varian Failure, Premature Pancreatic cancer Pancreatic Neoplasms
Polycystic Ovary Syndrome Puberty, Delayed Puberty, Precocious	

... see more

服務條款 | 隱私權政策 | 著作及商標 | 網站地圖 ©2016 亞諾法生技股份有限公司 Abnova Corporation. 版權所有.