Smad2(Phospho-Ser467) Antibody

Catalog No: #11322

Package Size: #11322-1 50ul #11322-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Smad2(Phospho-Ser467) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of Smad2 only when phosphorylated at serine 467.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 467 (C-S-S-M-S(p)) derived from Human Smad2.
Conjugates	Unconjugated
Target Name	Smad2
Modification	Phospho
Other Names	JV18-1; MADH2; MADR2; Mad-related protein 2; Mothers against DPP homolog 2
Accession No.	Swiss-Prot: Q15796NCBI Protein: NP _001003652.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

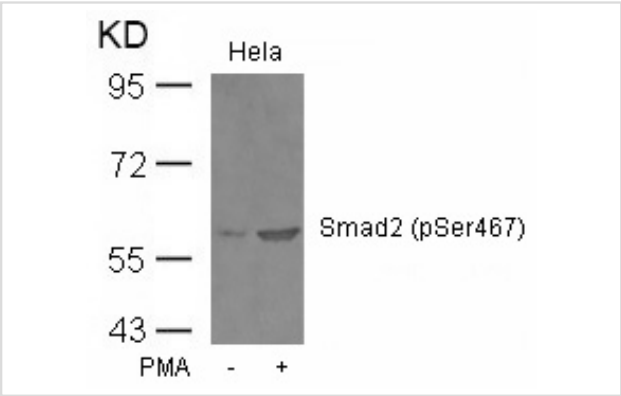
Predicted MW: 60kd

Western blotting: 1:500~1:1000

IF 1:50-200

IHC 1:50-1:200

Images



Western blot analysis of extracts from Hela cells untreated or treated with PMA using Smad2(Phospho-Ser467) Antibody #11322.

Background

Transcriptional modulator activated by TGF-beta and activin type 1 receptor kinase. SMAD2 is a receptor-regulated SMAD (R-SMAD). May act as a tumor suppressor in colorectal carcinoma.
Sang Gyun Kim et al. (2004) Mol Biol Cell. February; 15(2): 420

Published Papers

Xing-Yi Zhang, Bao-Rong Shen, Yu-Cheng Zhang el at., Induction of Thoracic Aortic Remodeling by Endothelial-Specific Deletion of MicroRNA-21 in Mice., PLoS ONE., 8(3): e59002. doi:10.1371/journal.pone.0059002(2013)

PMID:23527070

el at., Induction of thoracic aortic remodeling by endothelial-specific deletion of microRNA-21 in mice. In PLoS One on 2013 by Xing-Yi Zhang, Bao-Rong Shen, et al..PMID:

23527070, , (2013)

PMID:23527070

el at., TGFε˝Y1 promotes gemcitabine resistance through regulating the LncRNA-LET/NF90/miR-145 signaling axis in bladder cancer.In Theranostics on 2017 Jul 22 by Junlong Zhuang, Lan Shen,et al..PMID: 28839463, , (2017)

PMID:28839463

el at., Inhibition of TGFε˝Y signaling decreases osteogenic differentiation of fibrodysplasia ossificans progressiva fibroblasts in a novel in vitro model of the disease.In Bone.On 2016 Mar by Micha D, Voermans E et al..PMID:26769004, , (2016)

PMID:26769004

el at., High glucose increases Cdk5 activity in podocytes via transforming growth factor-ε˝Y1 signaling pathway.In Exp Cell Res on 2014 Aug 15 by Yue Zhang, Hongbo Li et al..PMID: 24768698 , , (2014)

PMID:24768698

el at., TGFε˝Y1 secreted by cancer-associated fibroblasts induces epithelial-mesenchymal transition of bladder cancer cells through lncRNA-ZEB2NAT.In Sci Rep on 2015 Jul 8 by Junlong Zhuang , Qun Lu et al..PMID:26152796, , (2015)

PMID:26152796

el at., Methotrexate-induced epithelialı ζ• esenchymal transition in the alveolar epithelial cell line A549.In Lung on 2016 Dec by Masashi Kawami, Rika Harabayashi et al..PMID: 27604426 , , (2016)

PMID:27604426

el at., The role of SIRT6 in the differentiation of vascular smooth muscle cells in response to cyclic strain.In Int J Biochem Cell Biol on 2014 Apr by Qing-Ping Yao, Ping Zhang et al..PMID: 24495875, , (2014)

PMID:24495875

el at., SMAD2 Mutations Are Associated with Arterial Aneurysms and Dissections. In Hum Mutat on 2015 Dec by Dimitra Micha, Dong-Chuan Guo,et al..PMID:26247899, , (2015)

PMID:26247899

el at., The Chinese medicine Fufang Zhenzhu Tiaozhi capsule protects against atherosclerosis by suppressing EndMT via modulating Akt1/β-catenin signaling pathway In J Ethnopharmacol on 2022 Jul 15 by Hongtao Diao, Jiawen Cheng, et al..PMID:35447198, , (2022)

PMID:35447198

Note: This product is for in vitro research use only and is not intended for use in humans or animals.