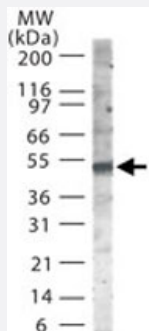


SMAD6 polyclonal antibody

Catalog # PAB0368

Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of SMAD6 in 30 ug of Jurkat cell lysate using SMAD6 polyclonal antibody (Cat # PAB0368) at 2 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SMAD6.
Immunogen	A mixture of synthetic peptides corresponding to amino acids 85-99 and 372-388 of human SMAD6 .
Sequence	RAGGPPRPMSEPGAG, NLEQRSESVRRTRSKIG
Host	Rabbit
Reactivity	Human, Monkey, Mouse, Rat
Form	Liquid
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% BSA, 0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of SMAD6 in 30 ug of Jurkat cell lysate using SMAD6 polyclonal antibody (Cat # PAB0368) at 2 ug/mL .

Gene Info — SMAD6

Entrez GeneID	4091
Gene Name	SMAD6
Gene Alias	HsT17432, MADH6, MADH7
Gene Description	SMAD family member 6
Omim ID	602931
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the SMAD family of proteins, which are related to Dr osophila 'mothers against decapentaplegic' (Mad) and C. elegans Sma. SMAD proteins are sign al transducers and transcriptional modulators that mediate multiple signaling pathways. This prote in functions in the negative regulation of BMP and TGF-beta/activin-signalling. Multiple transcript v ariants encoding different isoforms have been found for this gene
Other Designations	MAD (mothers against decapentaplegic, Drosophila) homolog 6 MAD, mothers against decapent aplegic homolog 6 Mothers against decapentaplegic, drosophila, homolog of, 6 SMAD, mothers against DPP homolog 6

Publication Reference

- [Association of lung adenocarcinoma clinical stage with gene expression pattern in noninvolved lung tissue.](#)

Frullanti E, Colombo F, Falvella FS, Galvan A, Noci S, De Cecco L, Incarbone M, Alloisio M, Santambrogio L, Nosotti M, Tosi D, Pastorino U, Dragani TA.

International Journal of Cancer 2012 Sep; 131(5):E643.

Application: WB, Human, NCI-520 cells

- [Ultradian oscillations of Stat, Smad, and Hes1 expression in response to serum.](#)

Yoshiura S, Ohtsuka T, Takenaka Y, Nagahara H, Yoshikawa K, Kageyama R.

PNAS 2007 Jun; 104(27):11292.

- [Bone morphogenetic protein 2 activates Smad6 gene transcription through bone-specific transcription factor Runx2.](#)

Wang Q, Wei X, Zhu T, Zhang M, Shen R, Xing L, O'Keefe RJ, Chen D.

The Journal of Biological Chemistry 2007 Jan; 282(14):10742.

- [Low-level bisphenol A increases production of glial fibrillary acidic protein in differentiating astrocyte progenitor cells through excessive STAT3 and Smad1 activation.](#)

Yamaguchi H, Zhu J, Yu T, Sasaki K, Umetsu H, Kidachi Y, Ryoyama K.

Toxicology 2006 Jun; 226(2-3):131.

- [Smad6 interacts with Runx2 and mediates Smad ubiquitin regulatory factor 1-induced Runx2 degradation.](#)

Shen R, Chen M, Wang YJ, Kaneki H, Xing L, O'keefe RJ, Chen D.

The Journal of Biological Chemistry 2005 Nov; 281(6):3569.

Pathway

- [TGF-beta signaling pathway](#)

Disease

- [Anemia](#)
- [Bacteremia](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Keloid](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)

- [Thrombophilia](#)
- [Tobacco Use Disorder](#)