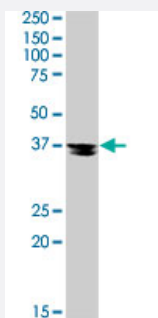


SMAD3 (phospho S213) polyclonal antibody

Catalog # PAB0610

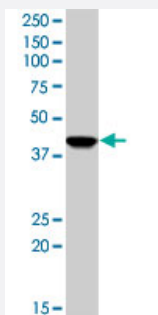
Size 400 uL

Applications



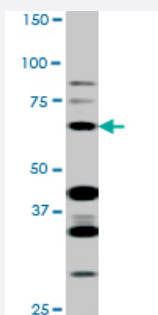
Western Blot (Tissue lysate)

SMAD3 (phospho S213) polyclonal antibody (Cat # PAB0610). Western blot analysis of SMAD3 expression in human liver.



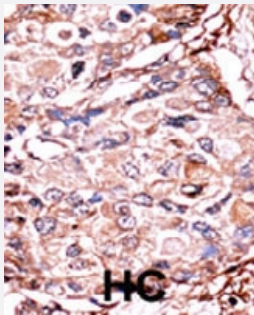
Western Blot (Cell lysate)

SMAD3 (phospho S213) polyclonal antibody (Cat # PAB0610). Western blot analysis of SMAD3 expression in A-431.



Western Blot (Cell lysate)

The SMAD3 (phospho S213) polyclonal antibody (Cat # PAB0610) is used in Western blot to detect Phospho-SMAD3-S213 in Ramos cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with SMAD3 (phospho S213) polyclonal antibody (Cat # PAB0610) which was peroxidase-conjugated to the secondary antibody followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of SMAD3.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S213 of human SMAD3.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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 (Tissue lysate)

SMAD3 (phospho S213) polyclonal antibody (Cat # PAB0610). Western blot analysis of SMAD3 expression in human liver.

[Protocol Download](#)

- Western Blot (Cell lysate)

SMAD3 (phospho S213) polyclonal antibody (Cat # PAB0610). Western blot analysis of SMAD3 expression in A-431.

[Protocol Download](#)

- Western Blot (Cell lysate)

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — SMAD3

Entrez GeneID

[4088](#)

Protein Accession#

[NP_005893:P84022](#)

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

Publication Reference

- [Transforming growth factor-beta1 induces expression of human coagulation factor XII via Smad3 and JNK signaling pathways in human lung fibroblasts.](#)

Jablonska E, Markart P, Zakrzewicz D, Preissner KT, Wygrecka M.

The Journal of Biological Chemistry 2010 Apr; 285(15):11638.

Application: WB, Human, Lung fibroblasts

Pathway

- [Adherens junction](#)
- [Cell cycle](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [TGF-beta signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Anemia](#)
- [Asthma](#)
- [Bacteremia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cleft Lip](#)
- [Cleft Palate](#)

- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Head and Neck Neoplasms](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Keloid](#)
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- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)

- [Puberty](#)
- [Pulmonary Disease](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)