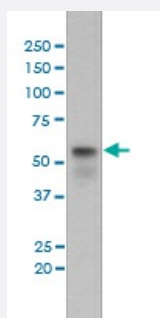


SMAD3 (phospho S423/S425) monoclonal antibody, clone AHO-19

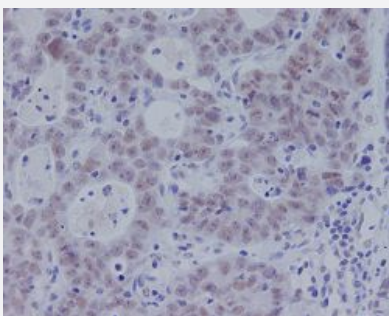
Catalog # MAB20574 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of PC-12 cell lysate treated with 1% BSA using SMAD3 (phospho S423/S425) monoclonal antibody, clone AHO-19.



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

Immunohistochemistry analysis of paraffin-embedded human gastric adenocarcinoma using SMAD3 (phospho S423/S425) monoclonal antibody, clone AHO-19.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human SMAD3.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding S423/S425 of human SMAD3.
Host	Rabbit
Reactivity	Human, Rat
Form	Liquid
Purification	Affinity purification

Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.4-0.5 mg/mL BSA, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. 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 PC-12 cell lysate treated with 1%BSA using SMAD3 (phospho S423/S425) monoclonal antibody, clone AHO-19.

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- Immunocytochemistry

Gene Info — SMAD3

Entrez GeneID	4088
Protein Accession#	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

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](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)
- [Occupational Diseases](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Prostate cancer](#)

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