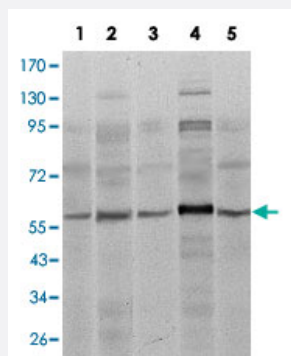


SMAD4 monoclonal antibody, clone 4G1C6

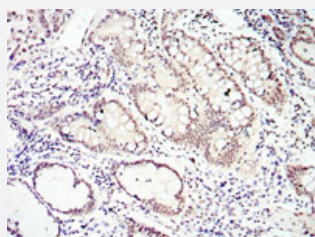
Catalog # MAB10392 Size 100 uL

Applications



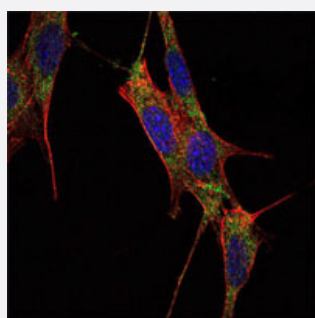
Western Blot (Cell lysate)

Western blot analysis of SMAD4 monoclonal antibody, clone 4G1C6 (Cat # MAB10392) against A-431 (1), SK-N-SH (2), K-562 (3), HepG2 (4) and HUVE12 (5) cell lysate.



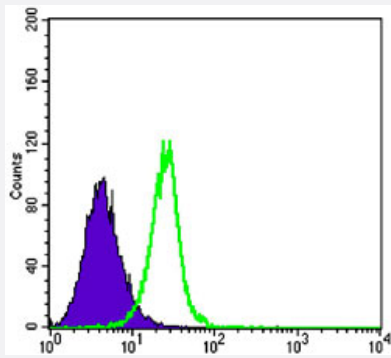
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using SMAD4 monoclonal antibody, clone 4G1C6 (Cat # MAB10392)



Immunofluorescence

Immunofluorescence analysis of NIH/3T3 cells using SMAD4 monoclonal antibody, clone 4G1C6 (Cat # MAB10392) (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow Cytometry

Flow cytometric analysis of K-562 cells using SMAD4 monoclonal antibody, clone 4G1C6 (Cat # MAB10392) (green) and negative control (purple).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant SMAD4.
Immunogen	Recombinant protein corresponding to human SMAD4.
Host	Mouse
Theoretical MW (kDa)	65
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% 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 SMAD4 monoclonal antibody, clone 4G1C6 (Cat # MAB10392) against A-431 (1), SK-N-SH (2), K-562 (3), HepG2 (4) and HUVE12 (5) cell lysate.

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Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using SMAD4 monoclonal antibody, clone 4G1C6 (Cat # MAB10392)

- Immunofluorescence

Immunofluorescence analysis of NIH/3T3 cells using SMAD4 monoclonal antibody, clone 4G1C6 (Cat # MAB10392) (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of K-562 cells using SMAD4 monoclonal antibody, clone 4G1C6 (Cat # MAB10392) (green) and negative control (purple).

Gene Info — SMAD4

Entrez GeneID	4089
Gene Name	SMAD4
Gene Alias	DPC4, JIP, MADH4
Gene Description	SMAD family member 4
Omim ID	174900 175050 600993
Gene Ontology	Hyperlink
Gene Summary	mothers against decapentaplegic homolog 4 OTTHUMP00000163548 SMAD
Other Designations	MAD, mothers against decapentaplegic homolog 4 OTTHUMP00000163548 SMAD, mothers against DPP homolog 4 deleted in pancreatic carcinoma locus 4 mothers against decapentaplegic homolog 4 mothers against decapentaplegic, Drosophila, homolog of, 4

Pathway

- [Adherens junction](#)
- [Cell cycle](#)

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

Disease

- [Adenocarcinoma](#)
- [Adenomatous Polyposis Coli](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chromosome Deletion](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Models](#)
- [Edema](#)
- [Gastrointestinal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hemochromatosis](#)
- [Hypertension](#)

- [Intestinal Polyposis](#)
- [Intestinal Polyps](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Microsatellite Instability](#)
- [Neoplasms](#)
- [Neoplastic Syndromes](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Peutz-Jeghers Syndrome](#)
- [Polycystic Ovary Syndrome](#)
- [Polyps](#)
- [Precancerous Conditions](#)
- [Puberty](#)
- [Stomach Neoplasms](#)
- [Telangiectasia](#)
- [Testicular Neoplasms](#)
- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)