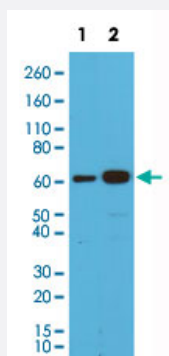


RecomAb™

SMAD4 monoclonal antibody, clone RM277

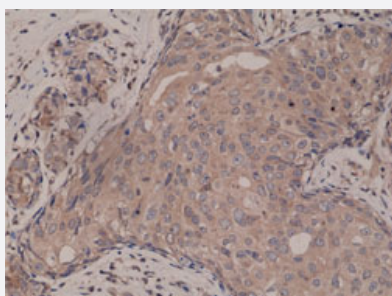
Catalog # MAB14924 Size 100 uL

Applications



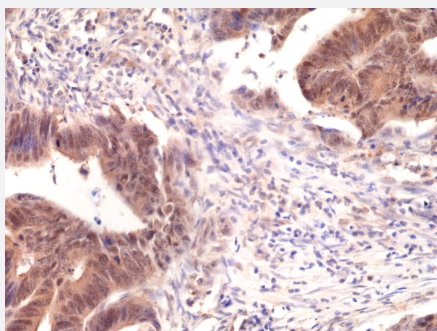
Western Blot (Cell lysate)

Western Blot analysis of Lane 1: Jurkat and Lane 2: IMR32 cell lysates with SMAD4 monoclonal antibody, clone RM277 (Cat # MAB14924).



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast cancer with SMAD4 monoclonal antibody, clone RM277 (Cat # MAB14924).



Immunohistochemistry

Immunohistochemical staining of formalin fixed and paraffin embedded human colon cancer tissue sections using SMAD4 monoclonal antibody, clone RM277 (Cat# MAB14924) at a 1:5000 dilution.

Specification

Product Description

Rabbit recombinant monoclonal antibody raised against of human SMAD4.

Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to C-terminus of human SMAD 4.
Sequence	N/A
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:1000-1:2000) Western Blotting (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1% BSA, 0.09% sodium azide)
Storage Instruction	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 Lane 1: Jurkat and Lane 2: IMR32 cell lysates with SMAD4 monoclonal antibody, clone RM277 (Cat # MAB14924).

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast cancer with SMAD4 monoclonal antibody, clone RM277 (Cat # MAB14924).

- Immunohistochemistry

Immunohistochemical staining of formalin fixed and paraffin embedded human colon cancer tissue sections using SMAD4 monoclonal antibody, clone RM277 (Cat# MAB14924) at a 1:5000 dilution.

Gene Info — SMAD4

Entrez GeneID

[4089](#)

Protein Accession#	Q13485
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](#)
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- [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](#)