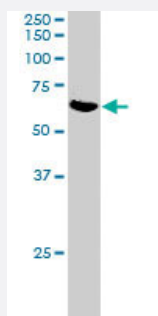


SMAD4 polyclonal antibody

Catalog # PAB6049

Size 100 ug

Applications



Western Blot (Cell lysate)

SMAD4 polyclonal antibody (Cat # PAB6049) staining (0.5 ug/mL) of NIH/3T3 cell lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of SMAD4.

Immunogen A synthetic peptide corresponding to human SMAD4.

Sequence C-HTMPIADPQPLD

Host Goat

Theoretical MW (kDa) 60.4

Reactivity Mouse

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
 ELISA (1:32000)
 Western blot (0.5-2 ug/mL)
 The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% 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)

SMAD4 polyclonal antibody (Cat # PAB6049) staining (0.5 ug/mL) of NIH/3T3 cell lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — SMAD4

Entrez GeneID	4089
Protein Accession#	NP_005350.1
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

Publication Reference

- [DPC4, a candidate tumor suppressor gene, is altered infrequently in head and neck squamous cell carcinoma.](#)

Kim SK, Fan Y, Papadimitrakopoulou V, Clayman G, Hittelman WN, Hong WK, Lotan R, Mao L.

Cancer Research 1996 Jun; 56(11):2519.

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](#)
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- [Polycystic Ovary Syndrome](#)
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- [Precancerous Conditions](#)
- [Puberty](#)
- [Stomach Neoplasms](#)

- [Telangiectasia](#)
- [Testicular Neoplasms](#)
- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)