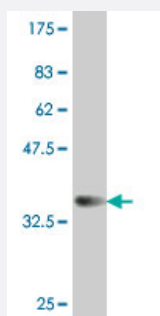


# SMAD4 monoclonal antibody (M15), clone 2E7

Catalog # H00004089-M15

Size 100 ug

## Applications



Western Blot detection against Immunogen (37 KDa) .

## Specification

|                                      |                                                                                                                        |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Mouse monoclonal antibody raised against a full length recombinant SMAD4.                                              |
| <b>Immunogen</b>                     | SMAD4 (NP_005350, 421 a.a. ~ 520 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence</b>                      | APGDAVHKIYPSAYIKVFDLRQCHRQMQQQAATAQAAAAAQAQAAVAGNIPGPGSVGGIAPAISLS<br>AAAGIGVDDLRLRLCILRMSFVKGWGPDYPRQSIKE             |
| <b>Host</b>                          | Mouse                                                                                                                  |
| <b>Reactivity</b>                    | Human                                                                                                                  |
| <b>Interspecies Antigen Sequence</b> | Mouse (100); Rat (100)                                                                                                 |
| <b>Isotype</b>                       | IgG2a Kappa                                                                                                            |
| <b>Quality Control Testing</b>       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (37 KDa) .                  |
| <b>Storage Buffer</b>                | In 1x PBS, pH 7.4                                                                                                      |
| <b>Storage Instruction</b>           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                               |

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — SMAD4

|                     |                                                                                                                                                                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">4089</a>                                                                                                                                                                                                                               |
| GeneBank Accession# | <a href="#">NM_005359</a>                                                                                                                                                                                                                          |
| Protein Accession#  | <a href="#">NP_005350</a>                                                                                                                                                                                                                          |
| Gene Name           | SMAD4                                                                                                                                                                                                                                              |
| Gene Alias          | DPC4, JIP, MADH4                                                                                                                                                                                                                                   |
| Gene Description    | SMAD family member 4                                                                                                                                                                                                                               |
| Omim ID             | <a href="#">174900</a> <a href="#">175050</a> <a href="#">600993</a>                                                                                                                                                                               |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                          |
| 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](#)