

SMAD4 Antibody

MADH4; JIP; DPC4; SMAD4; MAD, mothers against decapentaplegic homolog 4 (Drosophila); Mothers against decapentaplegic, Drosophila, homolog of, 4; MAD (mothers against decapentaplegic, Drosophila) homolog 4

CATALOG NO.: 45-148

HOST:

Goat

CLONALITY:

Polyclonal

INFORMATION:

SMAD4 Antibody.

SOURCE:

SMAD4 antibody was raised against a synthetic peptide near the C-terminus of SMAD4.

PROTEIN ACCESSION NUMBER(S) :

NP_005350.1

SPECIES REACTIVITY:

Human, Mouse, Rat

TESTED APPLICATION:

ELISA, Western Blot

APPLICATION:

Western blot: Approx 60-65kDa band seen in A431 cell lysate. Recommended for use at 0.5-2µg/ml.

PURIFICATION:

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

BUFFER:

Antibody is supplied as 0.1mg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.



Western blot analysis of SMAD4 in NIH-3T3 cell lysate (RIPA buffer, 35µg total protein per lane) using SMAD4 antibody (0.5µg/ml).

STORAGE:

Aliquot and store at -20°C. Minimize freezing and thawing.

REFERENCE:

Kim SK, Fan Y, Papadimitrakopoulou V, Clayman G, Hittelman WN, Hong WK, Lotan R, Mao L. DPC4, a candidate tumor suppressor gene, is altered infrequently in head and neck squamous cell carcinoma. *Cancer Res* 1996 Jun 1;56(11):2519-21

USER NOTES:

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.