

## Product Datasheet

### SMAD1 antibody (orb345667)

## Description

SMAD1 antibody

### Species/Host

Rabbit

### Reactivity

Human

### Conjugation

Unconjugated

### Tested

ELISA, IP, WB

### Applications

### Immunogen

This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a phosphorylated synthetic peptide corresponding to the region of amino acids containing serine 206 of human SMAD1 protein.

### Preservatives

0.01% (w/v) Sodium Azide

### Form/Appearance

Liquid (sterile filtered)

### Concentration

1.31 mg/mL

### Storage

Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

### Note

For research use only

### Application notes

This affinity purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 52 kDa in size corresponding to phosphorylated SMAD1 protein by western blotting in the appropriate stimulated tissue or cell lysate or extract. This antibody is specific for the phosphorylated pS206 of SMAD1. Stimulation of EGF, TGFbeta BMP2, and 0.5M NaCl are recommended for 1 hour. This antibody is useful in ChIP and ChIPSeq.

### Isotype

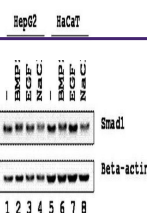
IgG

### Clonality

Polyclonal

### Purity

This affinity-purified antibody is directed against the phosphorylated form of human SMAD1 protein at the pS206 residue. The product was affinity purified from monospecific antiserum by immunoaffinity purification. Antiserum was first purified against the phosphorylated form of the immunizing peptide. The resultant affinity purified antibody was then cross adsorbed against the non-phosphorylated form of the immunizing peptide. Reactivity occurs against human SMAD1 pS206 protein



Western blot analysis of whole cell lysa...