Product Datasheet

SMAD1 antibody (orb345668)

Description	SMAD1 antibody
Species/Host	Rabbit
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	ELISA, IP, WB
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 or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
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

Western blot analysis of whole cell lysa...

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SMAD1 is minimal by ELISA and western blot. A BLAST analysis was used to suggest 100% cross reactivity with