
Smad7 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251212

Unit: 0.1 mg

Description:

Mothers against decapentaplegic homolog 7 (Smad7) is an antagonist of signaling by TGF-beta (transforming growth factor) type 1 receptor superfamily members. Smad7 has been shown to inhibit TGF-beta (Transforming growth factor) and activin signaling by associating with their receptors thus preventing SMAD2 access. Smad7 functions as an adapter to recruit SMURF2 to the TGF-beta receptor complex. Smad7 also acts by recruiting the PPP1R15A-PP1 complex to TGFBR1, which promotes its dephosphorylation. Genetic variations in Smad7 influence susceptibility to colorectal cancer type 3 (CRCS3). Colorectal cancer consists of tumors or cancer of either the colon or rectum or both.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: B, H, M, P, R

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 25% glycerol, 5 mg/ml BSA with 0.09% sodium azide. Antibody was purified by Protein-A affinity chromatography.

Alternate Names: Smad7; Mothers against decapentaplegic homolog 7; Mothers against DPP homolog 7; hSMAD7; MADH7

Accession No.: O15105

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Smad7.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.