

Anti-Phospho-SMAD7 (S249) Antibody

Catalog Number: P00784

About SMAD7

Mothers against decapentaplegic homolog 7 or SMAD7 is a protein that in humans is encoded by the SMAD7 gene. The protein encoded by this gene is a nuclear protein that binds the E3 ubiquitin ligase SMURF2. Upon binding, this complex translocates to the cytoplasm, where it interacts with TGF-beta receptor type-1 (TGFBR1), leading to the degradation of both the encoded protein and TGFBR1. Expression of this gene is induced by TGFBR1. Variations in this gene are a cause of susceptibility to colorectal cancer type 3 (CRCS3). Several transcript variants encoding different isoforms have been found for this gene.

Submit a product review to Biocompare.com

[Submit a review of this product](#) to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Overview

Product Name	Anti-Phospho-SMAD7 (S249) Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-SMAD7 (S249) Antibody catalog # P00784. Tested in IHC applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	O15105

Technical Details

Immunogen	A synthesized peptide derived from human Smad7 around the phosphorylation site of Ser249.
-----------	---

Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Immunohistochemistry, 1:50-400

[Anti-Phospho-SMAD7 \(S249\) Antibody](#)

For Research Use Only. Not for use in diagnostic procedures.