

Product datasheet for **AP12711PU-N**

SMAD4 pThr277 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	ELISA: 1/1,000. Dot Blot: 1/500. Immunohistochemistry: 1/50-1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH-conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T277 of human SMAD4.
Specificity:	This antibody detects SMAD4 pThr277.
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	SMAD family member 4
Database Link:	Entrez Gene 4089 Human Q13485



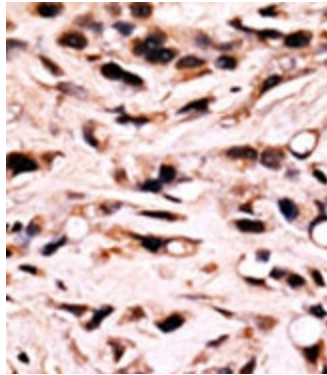
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Background: Common mediator of signal transduction by TGF-beta (transforming growth factor) superfamily, SMAD4 is the common SMAD (co-SMAD). It promotes binding of the SMAD2/SMAD4/FAST-1 complex to DNA and provides an activation function required for SMAD1 or SMAD2 to stimulate transcription. It may act as a tumor suppressor.

Synonyms: SMAD family member 4, SMAD-4, SMAD 4, MADH4, MAD homolog 4, DPC4

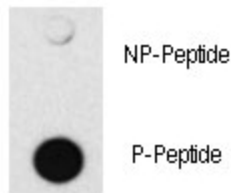
Note: **Molecular Weight:** 60439 Da

Product images:



Formalin-fixed and paraffin-embedded Breast Carcinoma reacted with SMAD4 pThr277 (center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

P-Pab



Dot blot analysis of anti-Phospho-SMAD4 pThr277 Antibody on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.

Dot Blot