antibodies - online.com







anti-SMAD4 antibody (pThr277)



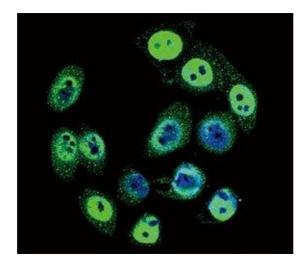
Images



Overview	
Quantity:	0.4 mL
Target:	SMAD4
Binding Specificity:	pThr277
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMAD4 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Dot Blot (DB)
Product Details	
Immunogen:	This phospho-SMAD4 antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pT277 of human SMAD4.
Isotype:	lg Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat
Purification:	Antigen affinity purified
Target Details	
Target:	SMAD4
Alternative Name:	SMAD4 (SMAD4 Products)

Target Details

9	
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.
UniProt:	Q13485
Pathways:	Cell Division Cycle, Chromatin Binding, Autophagy
Application Details	
Application Notes:	Titration of the phospho-SMAD4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Immunofluorescence: 1:10-1:50,Dot blot: 1:500,IHC (Paraffin): 1:10-1:50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the phospho-SMAD4 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Immunofluorescence

Image 1. Confocal immunofluorescent analysis of phospho-SMAD4 antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).

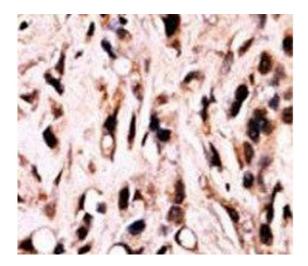


NP-Peptide

P-Peptide

Dot Blot

Image 2. Dot blot analysis of phospho-SMAD4 antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.



Immunohistochemistry

Image 3. IHC analysis of FFPE breast carcinoma stained with phospho-SMAD4 antibody.

Please check the product details page for more images. Overall 5 images are available for ABIN3032606.