

AB-PN725

SMAD4-pY513 Antibody

Phosphosite-specific rabbit polyclonal antibody for Smad4. This phosphotyrosine-site antibody is highly specific for phosphotyrosine.

Website: www.kinexus.ca
Email: info@kinexus.ca
Phone: 604-323-2547



Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Target Protein

Protein Name Long:	Mothers against decapentaplegic homologue 4
Protein Alias:	Deletion target in pancreatic carcinoma 4; Deletion target in pancreatic carcinoma 4 homolog; Deletion target in pancreatic carcinoma 4 homologue; DPC4; Dpc4; MADH4; Madh4; Mothers against decapentaplegic 4; Mothers against decapentaplegic homolog 4; Mothers against DPP 4; SMA4; Sma4; SMAD family member 4
UniProt ID:	Q13485
Protein Molecular Mass:	60,439 Da (552 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human SMAD4
Antibody Immunogen Sequence:	CGPD(pY)PRQ
Antibody Immunogen Description:	Corresponds to amino acid residues G510 to Q516. The effect of phosphorylation of Y513 is unclear, and it is a minor <i>in vivo</i> site of phosphorylation (≥ 1 report by mass spectrometry in PhosphoSitePlus).
Antibody Target Type:	Phosphosite-specific

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Isotype:	IgG
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipеп peptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from these animals was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris.
Amount:	25 μ g
Antibody Concentration:	0.5 mg/ml
Storage Buffer:	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
Storage Conditions:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.
Storage Stability:	>2 years

Applications

Product Use:	Western blotting Antibody microarray
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human Dog Rat Mouse Platypus Frog Zebra fish Honey bee

This product is for *in vitro* research use only and is not intended for use in humans or animals.

For more information on our products please visit <https://kinexus-ca.myshopify.com/> or contact us at 1-866-546-3987