

AB-PN663

SPT5-pT791 Antibody

Phosphosite-specific rabbit polyclonal antibody for SPT5



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Target Protein

Protein Name Long:	Transcription elongation factor SPT5
Protein Alias:	DRB sensitivity-inducing factor large subunit; DSIF large subunit; DSIF p160; FLJ34157; SPT5H; Suppressor of Ty 5; Tat-cotransactivator 1; Tat-CT1
UniProt ID:	O00267
Protein Molecular Mass:	121,000 Da (1,087 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human SPT5
Antibody Immunogen Sequence:	CGSQ(pT)PLQD
Antibody Immunogen Description:	Corresponds to amino acid residues G785 to D795. The effect of T791 phosphorylation is unclear. This is a major site of <i>in vivo</i> phosphorylation of SPT5 (≥ 99 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). SPT5 is known to be phosphorylated at this site <i>in vitro</i> by CDK2, CDK9.
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 multipепptide 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:	1 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 Rhesus Macaque Mouse Chicken Frog Zebra fish

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