

AB-PN587

ETV6-pS22 Antibody

Phosphosite-specific rabbit polyclonal antibody for ETV6 (Tel). This phosphoserine-site antibody also cross-reacts with phosphothreonine, threonine and glutamic acid substitutions in the phosphosite.

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Target Protein

Protein Name Long:	Transcription factor ETV6
Protein Alias:	ETS translocation variant 6; Ets variant 6; Ets variant gene 6 (TEL oncogene); ETS-related protein Tel1; TEL; TEL oncogene; TEL1
UniProt ID:	P41212
Protein Molecular Mass:	53,000 Da (452 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human ETV6
Antibody Immunogen Sequence:	TPPE(pS)PVP(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues T18 to P25. S22 phosphorylation inhibits transcriptional repression by ETV6, allowing for increased activation of ETV6-repressed genes. This is one of the major <i>in vivo</i> phosphorylation sites in ETV6 (≥149 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). ETV6 is known to be phosphorylated at this site <i>in vitro</i> by p38a MAPK (MAPK14).
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 µg
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 Chimpanzee Dog Mouse Frog

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