

AB-PN586

Ets-1-pS282 Antibody

Phosphosite-specific rabbit polyclonal antibody for Ets-1



KINEXUS

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:	Protein C-ets-1
Protein Alias:	Avian erythroblastosis virus E26 (v-ets) oncogene-1; C-ets-1 protein; Ets protein; Ets1; ETS-1; ETS1A; EWSR2; FLJ10768; P54; V-ets erythroblastosis virus E26 oncogene 1
UniProt ID:	P14921
Protein Molecular Mass:	50,408 Da (441 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human Ets-1
Antibody Immunogen Sequence:	RVP(pS)YD(pS)SFDSC
Antibody Immunogen Description:	Corresponds to amino acid residues R279 to S289. S282 phosphorylation inhibits transcriptional activity by inhibiting DNA binding. This is one of the major <i>in vivo</i> phosphorylation sites in Ets-1 (≥95 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). Ets-1 is known to be phosphorylated at this site <i>in vitro</i> by CaMK2a.
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 Rhesus macaque Dog Rat Mouse Platypus Chicken 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