

AB-PK934

JAK3-pY785 Antibody

Phosphosite-specific rabbit polyclonal antibody for JAK3



KINEXUS

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Target Protein

Protein Name Long:	Janus protein-tyrosine kinase 3
Protein Alias:	JAK-3; JAK3_HUMAN; JAKL; Janus kinase 3; Kinase JAK3; Leukocyte janus kinase; LJAK; L-JAK; CCDS12366.1; ENSG00000105639
UniProt ID:	P52333
Protein Molecular Mass:	125,099 Da (1124 AA; P52333); 121,268 Da (1094 AA; P52333-2); 68,279 Da (619 AA; P52333-4)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human JAK3
Antibody Immunogen Sequence:	C(βA)SSD(pY)ELL
Antibody Immunogen Description:	Corresponds to amino acid residues S782 to L788. Y785 phosphorylation induces interaction with SH2-B-beta. This is the major <i>in vivo</i> phosphorylation site in JAK3 (≥73 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). JAK3 is known to be phosphorylated at this site <i>in vitro</i> by JAK3.
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 multi-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 µg
Antibody Concentration:	0.55 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

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