

AB-PN569

AML2-pT231 Antibody

Phosphosite-specific rabbit polyclonal antibody for AML2 (RUNX3). This phosphothreonine-site antibody is highly specific for phosphothreonine in the phosphosite.

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Target Protein

Protein Name Long:	Runt-related transcription factor 3
Protein Alias:	Acute myeloid leukemia 2 protein; CBFA3; CBF-alpha 3; Core-binding factor, alpha 3; Oncogene AML-2; PEA2-alpha C; PEBP2A3; PEBP2-alpha C; Polyomavirus enhancer binding protein 2 alpha C subunit; SL3/AKV core-binding factor alpha C; SL3-3 enhancer factor 1 alpha C
UniProt ID:	Q13761
Protein Molecular Mass:	44,356 Da (415 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human AML2
Antibody Immunogen Sequence:	SQPQ(pT)PIQGC
Antibody Immunogen Description:	Corresponds to amino acid residues S227 to G235. T231 phosphorylation inhibits activity and induces cell growth. This is a minor <i>in vivo</i> phosphorylation sites in AML2 (≥ 20 reports from high throughput mass spectrometry studies 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 multipep 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:	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 Mouse Chicken

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