

AB-PN680

UBF-pT201 Antibody

Phosphosite-specific rabbit polyclonal antibody for UBF. This phosphothreonine-site antibody is highly specific for phosphothreonine in the phosphosite.

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Target Protein

Protein Name Long:	Nucleolar transcription factor 1
Protein Alias:	Autoantigen NOR-90; NOR-90; TCFUBF; UBTf; UBF1; UBF-1; Upstream binding factor 1; Upstream binding transcription factor, RNA polymerase I; Upstream-binding factor 1
UniProt ID:	P17480
Protein Molecular Mass:	89,406 Da (764 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human UBF
Antibody Immunogen Sequence:	EKPK(pT)PQQ(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues E197 to Q204. T201 phosphorylation inhibits transcriptional activity by inhibiting DNA binding. This is one of the major sites of <i>in vivo</i> phosphorylation of UBF based on ≥12 mass spectrometry reports recorded in PhosphoSitePlus. UBF is known to be phosphorylated at this site <i>in vitro</i> by ERK1 (MAPK3), and ERK2 (MAPK1).
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 multipеп 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:	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 Rat Mouse 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