

AB-PN572

ATF2-pT69+pT71 Antibody

Phosphosite-specific rabbit polyclonal antibody for ATF2 (CRE-BP1)



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Target Protein

Protein Name Long:	Cyclic AMP-dependent transcription factor ATF-2
Protein Alias:	Activating 2; Activating transcription factor 2; CAMP response element binding protein CRE- BP1; CREB2; CREBP1; CRE-BP1; Cyclic-AMP-dependent ATF-2; HB16; MXBP protein; TREB7
UniProt ID:	P15336
Protein Molecular Mass:	54,537 Da (505 AA; P15336-1); 52,277 Da (487 AA; P15336-5); 48,013 Da (447 AA; P15336-4); 35,044 Da (329 AA; P15336-2); 24,097 Da (219 AA; P15336-7); 23,050 Da (209 AA; P15336-3); 15,409 Da (144 AA; P15336-8); 13,149 Da (126 AA; P15336-6)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human ATF2
Antibody Immunogen Sequence:	CADQ(pT)P(pT)PTR
Antibody Immunogen Description:	Corresponds to amino acid residues A66 to R74. T69 and T71 phosphorylation increases transcriptional activity. These are the major <i>in vivo</i> phosphorylation sites in ATF2 (≥ 106 and 89 reports by mass spectrometry in PhosphositePlus, respectively). ATF2 is known to be phosphorylated <i>in vitro</i> at T69 and T71 by ERK1, ERK2, JNK1, JNK2, JNK3, p38a MAPK, p38b MAPK, and PLK3.
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 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 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