

AB-PN748

EP300-pS2279 Antibody

Phosphosite-specific rabbit polyclonal antibody for EP300 (p300)



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Target Protein

Protein Name Long:	Histone acetyltransferase p300
Protein Alias:	300 kd E1A-Binding protein gene; E1A binding protein p300; E1A-associated protein p300; Histone acetyltransferase p300; KAT3B; P300; P300 transcription coactivator homologue
UniProt ID:	Q09472
Protein Molecular Mass:	264,161 Da (2,414 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human EP300
Antibody Immunogen Sequence:	NPM(pS)PQQ(β A)C
Antibody Immunogen Description:	Corresponds to amino acid residues N2276 to Q2282. S2279 phosphorylation stimulates enzyme activity. Phosphorylation at this site in EP300 has only been reported in a single mass spectrometry study. However, this human phosphosite is highly conserved in vertebrates and is found in fish. EP300 is known to be phosphorylated at this site <i>in vitro</i> by 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 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 μ g
Antibody Concentration:	0.45 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 Rat Mouse Chicken Frog 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