

AB-PN622

MEF2A-pT108 Antibody

Phosphosite-specific rabbit polyclonal antibody for MEF2A. This phosphothreonine-site antibody is highly specific for phosphothreonine in the phosphosite.

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Target Protein

Protein Name Long:	Myocyte-specific enhancer factor 2A
Protein Alias:	MEF2; myocyte enhancer factor 2A; RSRFC4; RSRFC9; Serum response factor-like protein 1
UniProt ID:	Q02078
Protein Molecular Mass:	54,811 Da (507 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human MEF2A
Antibody Immunogen Sequence:	SYVL(pT)PHTE(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues S104 to E112. The effect of T108 phosphorylation is unclear. This is one of the major <i>in vivo</i> phosphorylation sites in MEF2A (≥26 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). MEF2A is known to be phosphorylated at this site <i>in vitro</i> by p38α MAPK (MAPK14).
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 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 Chimpanzee Rhesus macaque Rat Platypus Frog Fruit fly

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