

AB-PN624

MEF2D-pS121 Antibody

Phosphosite-specific rabbit polyclonal antibody for MEF2D



KINEXUS

Website: www.kinexus.ca
Email: info@kinexus.ca
Phone: 604-323-2547

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Target Protein

Protein Name Long:	Myocyte-specific enhancer factor 2D
Protein Alias:	MEFD; myocyte enhancer factor 2D
UniProt ID:	Q14814
Protein Molecular Mass:	55,938 Da (521 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human MEF2D
Antibody Immunogen Sequence:	YRRA(pS)EELD(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues Y117 to D125. S121 phosphorylation inhibits MEF2D transcriptional activity from the myogenin promoter. This is one of the major <i>in vivo</i> phosphorylation sites in MEF2D (≥37 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). MEF2D is known to be phosphorylated at this site <i>in vitro</i> by PKACa (PRKACA).
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 multi-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 Chimpanzee Dog Rat Mouse 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