

AB-PN785

AGTR1-pS335+pT336+pS338 Antibody

Phosphosite-specific rabbit polyclonal antibody for AGTR1 (AT1)



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Target Protein

Protein Name Long:	Type-1 angiotensin II receptor
Protein Alias:	AT1AR;AT1BR;Angiotensin II type-1 receptor
UniProt ID:	P30556
Protein Molecular Mass:	41,061 Da (359 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human AGTR1
Antibody Immunogen Sequence:	TKM(pS)(pT)L(pS)YRP(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues T332 to P341. S335, T336 and S338 phosphorylation is likely to be inhibitory to downstream signalling, although there are reports of stimulated activity. This is likely targeted by a GRK family kinase.
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:	0.9 mg/ml
Storage Buffer:	Phosphate buffered saline pH 7.4, 0.05% Thimerosal
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 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