

AB-PN787

AVPR1A-pT378+pS380 Antibody

Phosphosite-specific rabbit polyclonal antibody for AVPR1A



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Target Protein

Protein Name Long:	Vasopressin V1a receptor
Protein Alias:	Antidiuretic hormone receptor 1a; AVPR V1a; V1aR; Vascular/hepatic-type arginine vasopressin receptor
UniProt ID:	P37288
Protein Molecular Mass:	46,800 Da (418 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human AVPR1A
Antibody Immunogen Sequence:	KED(pT)D(pS)MSC
Antibody Immunogen Description:	Corresponds to amino acid residues K375 to S382. T378 and S380 phosphorylation is likely to be inhibitory to downstream signalling. The T378 phosphorylation has not been detected by mass spectrometry and the S380 site has been reported only once in PhosphoSite Plus.
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 µg
Antibody Concentration:	0.55 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

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