

AB-PN804

SSTR2-pS341+pS343 Antibody

Phosphosite-specific rabbit polyclonal antibody for SSTR2



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:	Somatostatin receptor type 2
Protein Alias:	Somatostatin receptor 2; SRIF-1; SS2R; SSR2
UniProt ID:	P30874
Protein Molecular Mass:	41,333 Da (369 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human SSTR2
Antibody Immunogen Sequence:	CGER(pS)D(pS)KQD
Antibody Immunogen Description:	Corresponds to amino acid residues G338 to D346. S341 and S343 phosphorylation leads to desensitization and internalization of the receptor. These have not been reported as <i>in vivo</i> phosphorylation sites in SSTR2 based high throughput mass spectrometry reports in PhosphoSitePlus. SSTR2 is known to be phosphorylated <i>in vitro</i> at S341 by BARK1 (GRK2, ADRBK1), BARK2 (GRK3, ADRBK2), and at S343 by BARK1 (GRK2, ADRBK1), BARK2 (GRK3, ADRBK2), and PKCa (PRKCA).
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:	0.5 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 Dog Rat Mouse Platypus 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