

AB-PN805

TBXA2R-pS329+pS331 Antibody

Phosphosite-specific rabbit polyclonal antibody for TBXA2R



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Target Protein

Protein Name Long:	Thromboxane A2 receptor
Protein Alias:	Prostanoid TP receptor
UniProt ID:	P21731
Protein Molecular Mass:	37,431 Da (343 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human TBXA2R
Antibody Immunogen Sequence:	RPR(pS)L(pS)LQP(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues R326 to P334. S329 and S331 phosphorylation by PKC-α leads to desensitization of the receptor. TBXA2R is known to be phosphorylated <i>in vitro</i> at S329 by PKAα (PRKACA), and PKCα (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:	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 Rhesus macaque Dog

This product is for *in vitro* research use only and is not intended for use in humans or animals.

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