

AB-PN803

P2RY1-pS352+pS354 Antibody

Phosphosite-specific rabbit polyclonal antibody for P2RY1 (P2Y purinoceptor 1). This phosphoserine-site antibody is highly specific for phosphoserine in the phosphosite.

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Target Protein

Protein Name Long:	P2Y purinoceptor 1
Protein Alias:	ATP receptor; P2 purinoceptor subtype Y1; P2Y1; Platelet ADP receptor; Purinergic receptor
UniProt ID:	P47900
Protein Molecular Mass:	42,072 Da (373 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human P2RY1
Antibody Immunogen Sequence:	CANLQ(pS)K(pS)ED
Antibody Immunogen Description:	Corresponds to amino acid residues A348 to D356. S352 and S354 phosphorylation leads to desensitization of the receptor by promoting its internalization. These are two of the major <i>in vivo</i> phosphorylation sites in P2RY1 by mass spectrometry (≥ 2 and ≥ 2 reports, respectively, in PhosphoSitePlus).
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 μ g
Antibody Concentration:	1 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 Rhesus macaque 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