

AB-PN503

ANXA1-pY207 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human ANXA1



KINEXUS

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Target Protein

Name Long:	Annexin A1
Alias:	Annexin A1; Annexin I; annexin I (lipocortin I); Annexin-1; ANX1; anxa 1; ANXA1; Calpactin II; Calpactin-2; Chromobindin-9; Lipocortin I; LPC1; p35; Phospholipase A2 inhibitory protein
UniProt ID:	P04083
Sequence Predicted Mass (KDa):	38.714 (346 AA; P04083)
Observed SDS-PAGE Mass (KDa):	36-38

Immunogen

Antibody Immunogen Source:	Human ANXA1 sequence peptide Cat. No.: PE-04AEY95
Antibody Immunogen Sequence:	RAL(pY)EAG(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues R204 to G210; In the beginning of the third Annexin domain. This is the major in vivo phosphorylation site in ANXA1.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-207

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	Immunoglobulin G
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipепptide 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 each animal 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. This antibody was also subject to negative purification over phosphotyrosine-agarose.
Antibody Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	150106
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerasol
Storage Conditions and Stability:	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.

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Applications

Product Use:	Western blotting Antibody microarrays
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammals; Phosphosite is highly conserved in mammals
Antibody Positive Controls:	Very strong immunoreactivity with immunogen peptide on dot blots.
Detection by Immunoblotting in Cell/Tissue Lysates:	Strong immunoreactivity of a target-sized protein by Western blotting in HeLa cells, and medium detection in A431 and MCF7 cells.
Overall Antibody Specificity:	High-very high selectivity
Antibody Cross Reactivities:	Five other cross-reactive proteins in HeLa + phenylarsine oxide (PAO)+vanadate; 37 KDa target, 5 other cross-reactive proteins in A431 + EGF; 37 KDa target, 5 other cross-reactive proteins in MCF7 + Insulin.

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 www.kinexusproducts.ca or contact us at 1-866-KINEXUS(546-3987)