

AB-PN520

HSP90AB1-pY484 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human HSP90AB1 (HSP90B; HSP90-beta)



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	Heat shock protein HSP 90-beta
Alias:	D6S182; FLJ26984; Heat shock 84 kDa; heat shock 90kDa protein 1, beta; heat shock 90kDa protein 1, beta; heat shock protein 90kDa alpha (cytosolic), class B member 1; heat shock protein beta; Heat shock protein HSP 90-beta; HS90B; HSP 84; HSP 90; HSP84; HSP90-BETA; HSP90AB1; HSP90B; HSPC2; HSPCB
UniProt ID:	P08238
Sequence Predicted Mass (KDa):	83.264 (724 AA; P08238)
Observed SDS-PAGE Mass (KDa):	90-95

Immunogen

Antibody Immunogen Source:	Human HSP90AB1 (HSP90B; HSP90-beta) sequence peptide Cat. No.: PE-04AFE99
Antibody Immunogen Sequence:	KSI(pY)YIT(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues K481 to T487; In the middle of the HSP90 domain. This is the major in vivo phosphorylation site in HSP90AB1.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-484

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 multipепeptide 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:	151015
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
Antibody Positive Controls:	Medium immunoreactivity with immunogen peptide on dot blots.
Overall Antibody Specificity:	High-very high selectivity
Antibody Cross Reactivities:	No significant cross-reactive proteins detected in A431 and Jurkat cells.

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)