

AB-PG001U

PYK-Ultra Antibody

Generic phosphotyrosine-specific polyclonal antibody for monitoring phosphorylation of proteins captured on antibody microarrays



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Target Protein

Name Long:	Diverse proteins that are tyrosine phosphorylated
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Immunogen

Antibody Immunogen Source:	Over 200 diverse phosphotyrosine phosphorylation site peptides
Antibody Immunogen Sequence:	Many
Location in Target:	Diverse locations
Peptide Type:	For recognition of generic phosphosites.
Target Phosphosite:	Phosphorylated

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	Immunoglobulin G
Production Method:	Over 400 immunizing phosphopeptides were produced by solid phase synthesis on a multi-peptide synthesizer and purified by reverse-phase hplc chromatography. Purities were assessed by analytical hplc and the amino acid sequences confirmed by mass spectrometry analysis. These peptides were 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 agarose columns to which a phosphotyrosine-beta-alanine-cysteine 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. The antibody was also subjected to negative purification over a rabbit IgG-agarose column.
Antibody Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	150731
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.

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

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)