

Rabbit Phosphotyrosine Polyclonal Antibody

Anti-Phosphotyrosine

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71527	Rabbit	Human, Rat, Mouse, Chicken	Immunoprecipitation, Immunocytochemistry, Western Blot, ELISA

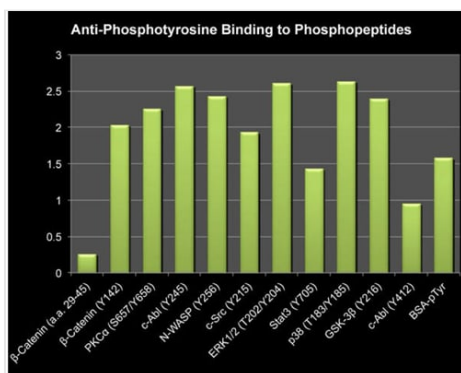
PRODUCT SYNONYMS

Phosphotyrosine; Polyclonal Antibody; Anti-Phosphotyrosine; P_{tyr}; anti-Phosphotyrosine antibody

PRODUCT SPECIFICATIONS

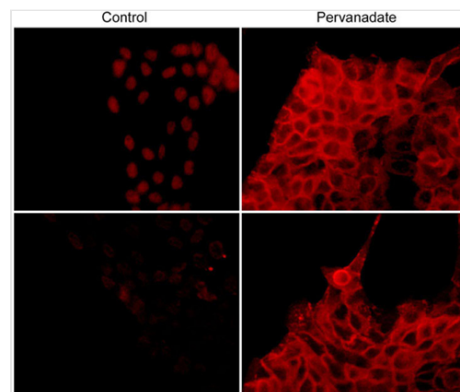
Host	Rabbit
Reactivity	Human, Rat, Mouse, Chicken
Clonality	Polyclonal
Specificity	This antibody detects phosphotyrosine-containing proteins on SDS-PAGE immunoblots of EGF treated A431 cells, as well as pervanadate treated A431, HeLa, Jurkat, and endothelial cells.
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid PBS +1 mg/ml, 0.05% NaN ₃ and 50% glycerol.
Applicable Applications for anti-Phosphotyrosine antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen	Anti-Phosphotyrosine was generated from a panel of phosphotyrosine-containing peptide immunogens designed from human protein sequences. All peptide sequences used are highly conserved phosphotyrosine motifs.
Preparation and Storage	Store at -20°C. As aliquots may be taken without freeze/thawing due to presence of 50% glycerol.

IMAGES



Application Data

Bar graph showing rabbit polyclonal anti-Phosphotyrosine binding to a variety of phosphotyrosine containing peptides, but no binding to unphosphorylated peptide (beta-Catenin (a.a. 29-45)).



Application Data

Immunocytochemical labeling of phosphotyrosine in control and pervanadate-treated A431 cells. The cells were labeled with rabbit polyclonal anti-Phosphotyrosine and mouse monoclonal anti-Phosphotyrosine, then the antibodies were detected using appropriate secondary antibodies conjugated to Cy3.

ADDITIONAL INFORMATION

Related Product Information for anti-Phosphotyrosine antibody	Phosphorylation of specific tyrosine residues is an important post-translational modification for regulating the activity of most proteins. Stimulation of a variety of cell signaling pathways activates the receptor and non-receptor tyrosine kinases that mediate these protein modifications. Antibodies that can detect phosphotyrosine residues are excellent tools for characterizing changes in the post-translational state of a broad range of phosphotyrosine-containing proteins. Immunoprecipitation of proteins of interest, followed by detection of phosphotyrosine using anti-phosphotyrosine antibody is commonly used to correlate changes in tyrosine phosphorylation state with alterations in protein activity.
References	• Ross, A.H. et al. (1981) Nature 294:654. • Wang, J.Y.J. (1988) Anal. Biochem 172:1.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/phosphotyrosine-antibody-immunoprecipitation-immunocytochemistry-western-blot-elisa/71527>