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Anti-Phosphotyrosine Antibody

Catalog # AN1902

Product Information

Application	WB, ICC, IP
Primary Accession	N/A
Host	Rabbit
Clonality	Rabbit Polyclonal
Isotype	IgG

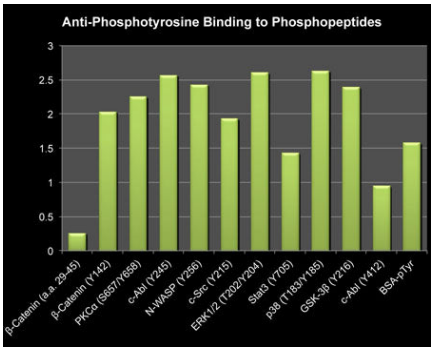
Additional Information

Other Names	Phosphotyrosine mAb
Dilution	WB~~1:1000 ICC~~N/A IP~~N/A
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-Phosphotyrosine Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

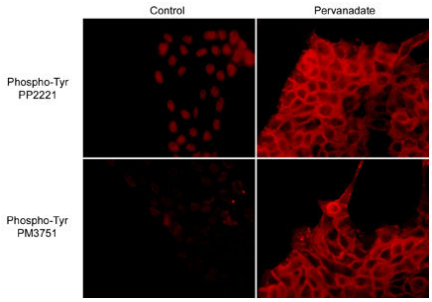
Background

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.

Images



Bar graph showing rabbit polyclonal anti-Phosphotyrosine (AN1902) binding to a variety of phosphotyrosine containing peptides, but no binding to unphosphorylated peptide (beta-Catenin (a.a. 29-45).



Immunocytochemical labeling of phosphotyrosine in control and pervanadate-treated A431 cells. The cells were labeled with rabbit polyclonal anti-Phosphotyrosine (AN1902) and mouse monoclonal anti-Phosphotyrosine (PM3751), then the antibodies were detected using appropriate secondary antibodies conjugated to Cy3.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.