

Mouse Phosphotyrosine Monoclonal Antibody

Phosphotyrosine M375 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71687	Mouse	Human, Rat, Mouse, Chicken	Immunocytochemistry, Immunoprecipitation, ELISA, Western Blot

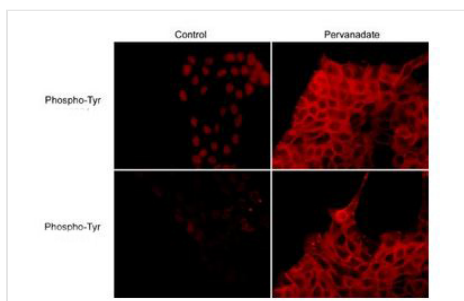
PRODUCT SYNONYMS

Phosphotyrosine; Monoclonal Antibody; Phosphotyrosine M375 Antibody; Anti-Phosphotyrosine; Phosphotyrosine mAb; anti-Phosphotyrosine antibody

PRODUCT SPECIFICATIONS

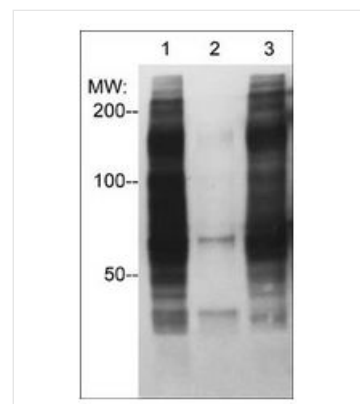
Host	Mouse
Reactivity	Human, Rat, Mouse, Chicken
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	M375
Specificity	This antibody detects phosphotyrosine-containing proteins on SDS-PAGE immunoblots of EGF treated A431 cells, as well as pervanadate treated A431, HeLa, Jurkat, and endothelial cells.
Purity/Purification	Protein A chromatography
Form/Format	Mouse monoclonal antibody purified with protein A chromatography is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-Phosphotyrosine antibody	ICC (Immunocytochemistry), IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Clone M375 was generated from tyrosine phosphorylated proteins purified from pervanadate treated A431 cells.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemical labeling of phosphotyrosine in control and pervanadate-treated A431 cells. The cells were labeled with rabbit polyclonal anti-Phosphotyrosine (PP2221) and mouse monoclonal anti-Phosphotyrosine (PM3751), then the antibodies were detected using appropriate secondary antibodies conjugated to Cy3.



WB (Western Blot)

Western blot of HeLa cells treated with pervanadate (1mM) for 30 min. Phosphotyrosine containing proteins were immunoprecipitated with rabbit polyclonal anti-Phosphotyrosine:Agarose (Lane 1) or with no antibody agarose beads (Lane 2), and blots were made that included the whole lysate (Lane 3). The blots were probed with mouse monoclonal anti-Phosphotyrosine (PM3751) to detect phosphotyrosine containing proteins.

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	Wang, J.Y.J. (1988) Anal. Biochem 172:1. Hunter T.(1987) Cell. 50(6):823. Ross, A.H. et al. (1981) Nature 294:654.

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/monoclonal/phosphotyrosine-antibody-clone-m375-immunocytochemistry-immunoprecipitation-western-blot-elisa/71687>