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AM00199TC-N

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Monoclonal Antibody to Phosphotyrosine - TAMRA Catalog No.: AM00199TC-N **Quantity:** 0.1 mg Lot specific **Concentration: Background:** Phosphorylation of specific tyrosine residues has been shown to be a primary mechanism of signal transduction during normal mitogenesis, cell cycle progression and oncogenic transformation. Its role in other areas such as differentiation and gap junction communication, is a matter of active and ongoing research. Antibodies that specifically recognize phosphorylated tyrosine residues have proved to be invaluable to the study of tyrosine-phosphorylated protein biochemical pathways in which they function. The rhodamine conjugate of clone PY20 anti-phosphotyrosine is especially useful for the detection of these P-Tyr proteins in immunohistochemical and immunocytochemical protocols in situations wherein the use of a secondary antibody would complicate detection of the protein(s) of interest. Host / Isotype: Mouse / IgG2b **Clone:** PY20 Immunogen: Hybridoma produced from Balb/C mice immunized with phosphotyrosine coupled to carrier protein. Format: **State:** Liquid purified IgG fraction. Purification: Affinity purification on a column of immobilized phosphotyrosine. Buffer System: 0.02 M Sodium Phosphate, pH 7.5 with 0.15 M Sodium Chloride, 3 mM Sodium Azide as preservative, 50% glycerol Label: TAMRA - The antibody was labeled by reaction with tetramethyl-rhodamine succinimidyl ester in the presence of phenyl phosphate (to protect the antibody binding site). The unreacted succinimidyl ester was removed by molecular exclusion chromatography Suitable for Immunohistochemistry (5-10 ug/ml) and Immunocytochemistry (5-10 ug/ml). **Applications:** Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. This antibody specifically recognizes phosphorylated tyrosine residues and does not react **Specificity:** with phosphorylated threonine or serine residues. Store the antibody (undiluted) at 2-8°C for one month or (in aliquots) at -20°C for longer. Storage: Avoid repeated freezing and thawing. Shelf life: One year from despatch. **Caution:** This antibody is known to be inhibited by divalent cations (> 1mM) and high salt concentrations (> 0.2M).

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.



Antibody Hotline - Technical Questions - Antibody Location Service Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com