



phosphotyrosine rhodamine conjugate. Mouse Monoclonal Antibody

BACKGROUND

The role of tyrosine phosphorylation in transduction of the mitogenic signal from transmembrane receptors and in transformation by oncogene tyrosine kinases has been the subject of intense investigation for several years. While the 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 proteins and the 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.

IMMUNOGEN

Hybridoma produced from Balb/C mice immunized with phosphotyrosine coupled to carrier protein.

POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

Application: A dilution of 5-10 ug/ml is suggested for immunohistochemistry or immunocytochemistry.

ORDERING INFORMATION

CATALOG NUMBER

X1020S

SIZE

50 µg

FORM

Rhodamine Conjugate

HOST/CLONE

Mouse Clone PY20

FORMULATION

Provided as a concentration of 1 mg/ml in 0.02M sodium phosphate, pH 7.5, 0.15M sodium chloride, 3mM sodium azide, 50% glycerol.

CONCENTRATION

See vial for concentration

ISOTYPE

IgG2b

APPLICATIONS

Western Blot, Immunoprecipitation, Immunohistochemistry, Enzyme

SPECIES REACTIVITY

Ubiquitous

ACCESSION NUMBER

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PURIFICATION**SHIP CONDITIONS**

Room Temperature

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES