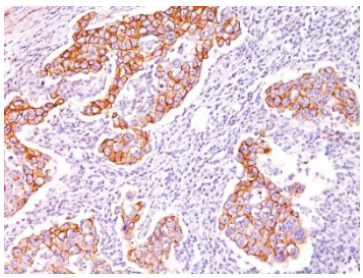
p-Tyr Antibody / Phosphotyrosine [clone SPM102] (V7502)

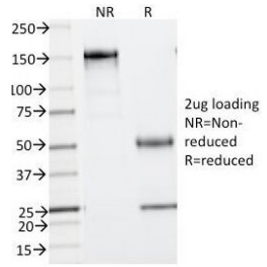
Catalog No.	Formulation	Size
V7502-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7502-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7502SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	NA
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	SPM102
Purity	Protein G affinity chromatography
UniProt	Not Applicable
Localization	Depends upon the location of phosphorylated target
Applications	Flow cytometry: 1-2ug/10^6 cells Immunofluorescence: 1-2ug/ml Western blot: 1-2ug/ml Immunoprecipitation: 1-2ug/500ug protein lysate Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This p-Tyr antibody is available for research use only.



IHC staining of human breast carcinoma with p-Tyr antibody (clone SPM102).



Description

Protein phosphorylation is a fundamental event in the regulation of a large number of intracellular processes. Phosphorylation of specific tyrosine residues is the result of activation or stimulation of their respective protein tyrosine kinases. The phosphorylated proteins can be auto-phosphorylated kinases or certain cellular protein substrates. Tyrosine-phosphorylated proteins are involved in signal transduction and in the regulation of cell proliferation. Antibody to phosphotyrosine provides an excellent tool for the detection, characterization, and purification of phosphotyrosine containing proteins. This mAb shows no cross-reaction with other phosphoamino acids and is superb for multiple applications including staining of formalin/paraffin tissues.

Application Notes

Optimal dilution of the p-Tyr antibody should be determined by the researcher.

1. No pretreatment is required for staining of formalin-fixed, paraffin-embedded tissues

Immunogen

Phosphotyrosine conjugated to BSA was used as the immunogen for the p-Tyr antibody.

Storage

Store the p-Tyr antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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