

## 36-11043: Monoclonal Antibody to Phosphotyrosine (P-Tyr)(Clone : SPM102)

|                                |                                   |
|--------------------------------|-----------------------------------|
| <b>Clonality :</b>             | Monoclonal                        |
| <b>Clone Name :</b>            | SPM102                            |
| <b>Application :</b>           | FACS,IF,WB,IP,IHC                 |
| <b>Reactivity :</b>            | All species                       |
| <b>Format :</b>                | Purified                          |
| <b>Isotype :</b>               | Mouse IgG2b, kappa                |
| <b>Immunogen Information :</b> | Phosphotyrosine conjugated to KLH |

### Description

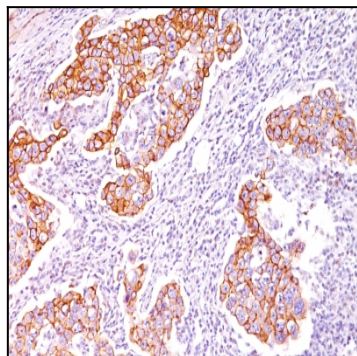
Protein phosphorylation is a fundamental event in the regulation of a large number of intracellular processes. Phosphorylation of specific tyrosine residues is the result of activation or stimulation of their respective protein tyrosine kinases. The phosphorylated proteins can be auto-phosphorylated 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.

### Product Info

|                            |                                                                                                                               |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Amount :</b>            | 100 µg                                                                                                                        |
| <b>Purification :</b>      | Affinity Chromatography                                                                                                       |
| <b>Content :</b>           | 100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.                               |
| <b>Storage condition :</b> | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

### Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml); Immunoprecipitation (1-2ug/500ug protein lysate); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT) (No pretreatment is required for staining of formalin-fixed, paraffin-embedded tissues)



Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Phosphotyrosine Monoclonal Antibody (SPM102).