

**Phosphotyrosine (P-Tyr) Antibody - With BSA and Azide**  
**Mouse Monoclonal Antibody [Clone PY793 ]**  
**Catalog # AH12985**

**Specification**

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**Phosphotyrosine (P-Tyr) Antibody - With BSA and Azide - Product Information**

Application	,2,3,4,
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG2b
Calculated MW	Depends upon the phosphorylated target KDa

**Phosphotyrosine (P-Tyr) Antibody - With BSA and Azide - Additional Information**

**Storage**

Store at 2 to 8°C. Antibody is stable for 24 months.

**Precautions**

Phosphotyrosine (P-Tyr) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

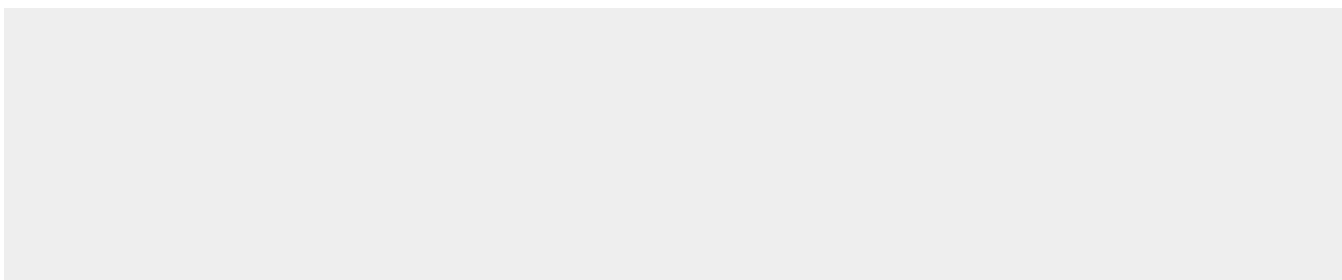
**Phosphotyrosine (P-Tyr) Antibody - With BSA and Azide - Protein Information**

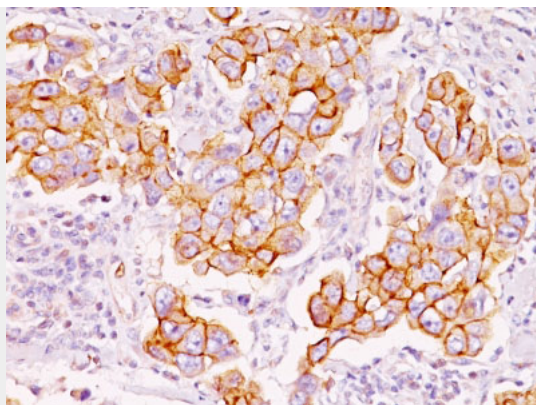
**Phosphotyrosine (P-Tyr) Antibody - With BSA and Azide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Phosphotyrosine (P-Tyr) Antibody - With BSA and Azide - Images**





Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Phosphotyrosine Monoclonal Antibody (PY793).

#### **Phosphotyrosine (P-Tyr) Antibody - With BSA and Azide - Background**

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.

#### **Phosphotyrosine (P-Tyr) Antibody - With BSA and Azide - References**

Hunter, T., et al. 1985. Protein-tyrosine kinases. Annu. Rev. Biochem. 54: 897-930