

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

Mouse Monoclonal Antibody [Clone PY793]

Catalog # AH12985

Product Information

Application	IHC, IF, FC
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG2b
Clone Names	PY793
Calculated MW	Depends upon the phosphorylated target

Additional Information

Application Note	IHC~~1:100~500 IF~~1:50~200 FC~~1:10~50
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.

Background

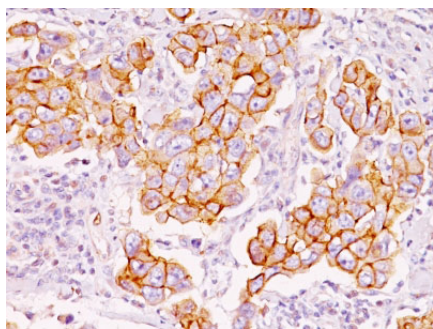
Protein phosphorylation is a fundamental event in the regulation of a large number of intracellular processes. Phosphorylation of specific tyrosine residues is the result of activation or stimulation of their respective protein tyrosine kinases. The phosphorylated proteins can be auto-phosphorylated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

References

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

Images

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



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.