

Product Datasheet

Phosphotyrosine Antibody (p-Tyr) (orb749975)

Catalog Number	orb749975
Category	Antibodies
Description	<p>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.</p>
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG2b, kappa
Conjugation	Unconjugated
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein G affinity chromatography
Immunogen	P-Tyr conjugated to BSA was used as the immunogen for the Phosphotyrosine antibody.
Tested applications	FACS, IF, IHC-P
Dilution range	Flow cytometry: 0.5-1ug/10 ⁶ cells, Immunofluorescence: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT

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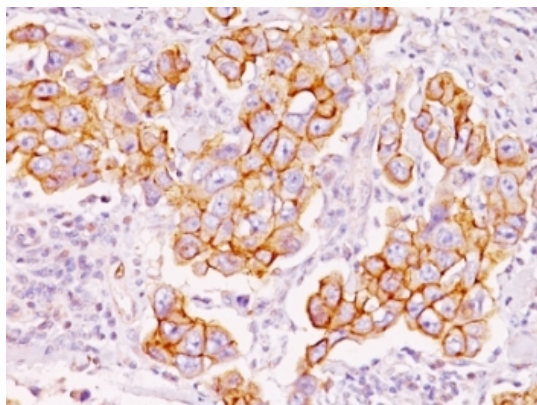
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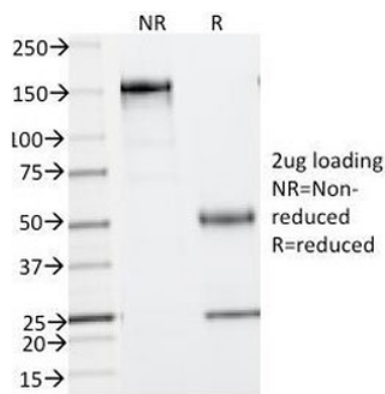
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Application notes	Optimal dilution of the Phosphotyrosine antibody should be determined by the researcher.1. No pretreatment is required for staining of formalin-fixed, paraffin-embedded tissues
Antibody Type	Primary Antibody
Clone Number	PY793
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



IHC: Formalin-fixed, paraffin-embedded human breast carcinoma stained with Phosphotyrosine antibody (clone PY793).



SDS-PAGE Analysis of Purified, BSA-Free Phosphotyrosine Antibody (clone PY793). Confirmation of Integrity and Purity of the Antibody.

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