

Datasheet for ABIN6941322

anti-Phosphotyrosine antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Phosphotyrosine
Reactivity:	Please inquire
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Phosphotyrosine antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunofluorescence (IF), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunostaining (Ist), Staining Methods (StM)

Product Details

Immunogen:	Phosphotyrosine conjugated to KLH
Clone:	PY20
Isotype:	IgG2b kappa
Purification:	Purified by Protein A/G

Target Details

Target:	Phosphotyrosine
Alternative Name:	Phosphotyrosine (P-Tyr) (Phosphotyrosine Products)
Target Type:	Amino Acid

Target Details

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.
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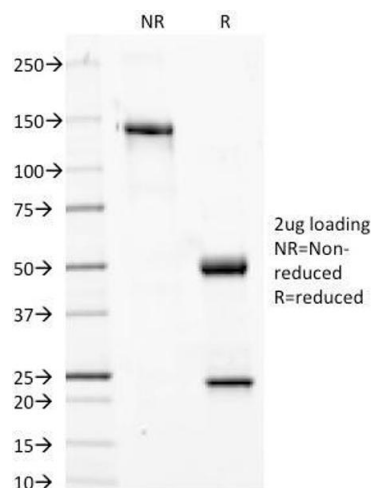
Application Details

Application Notes:	Positive Control: MCF-7, MDA-231, T47-D cells. Breast carcinoma. Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (0.5-1 µg/mL), Immunoprecipitation (1-2 µg/500 µg protein lysate), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT) (No pretreatment is required for staining of formalin-fixed, paraffin-embedded tissues)Optimal dilution for a specific application should be determined.
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Restrictions:	For Research Use only
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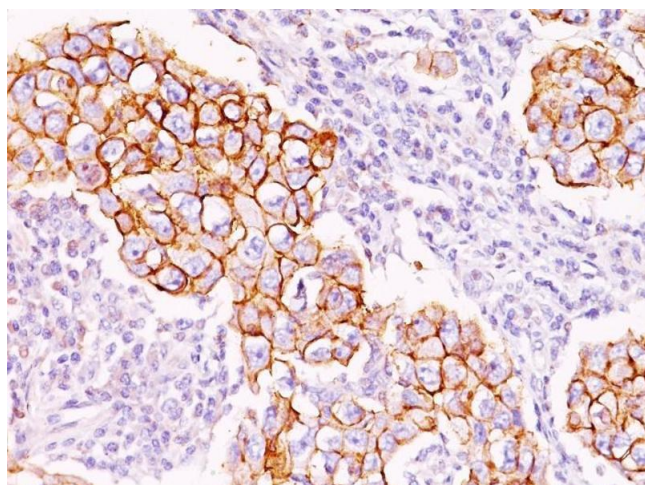
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Phosphotyrosine Mouse Monoclonal Antibody (PY20). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Phosphotyrosine Mouse Monoclonal Antibody (PY20).