

Phospho-Tyrosine Antibody

Monoclonal Rat IgG_{2A} Clone # 216954 Catalog Number: MAB16761

DESCRIPTION		
Specificity	Detects proteins containing phosphorylated tyrosine residues in Western blots. In Western blots of pervanadate-treated cell lysates, clone 216954 binds Phospho-Tyrosine in a broad manner largely independent of the surrounding amino acid sequence. No cross-reactivity with proteins or peptides containing phosphorylated serine or threonine residues is observed.	
Source	Monoclonal Rat IgG _{2A} Clone # 216954	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	KLH-coupled Phospho-Tyrosine synthetic peptide	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

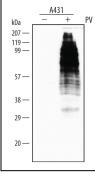
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below
Immunocytochemistry	8-25 μg/mL	Immersion fixed A431 human epithelial carcinoma cell line treated with pervanadate

DATA

Western Blot



Detection of Phospho-Tyrosine by Western Blot. Western blot shows lysates of A431 human epithelial carcinoma cell line untreated (-) or treated (+) with 50 µM pervanadate (PV) for 15 minutes. PVDF membrane was probed with 1 µg/mL of Rat Anti-Phospho-Tyrosine Monoclonal Antibody (Catalog # MAB16761), followed by HRP-conjugated Anti-Rat IgG Secondary Antibody (Catalog # HAF005). Tyrosine-phosphorylated proteins were detected (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 10.

PREPARATION	AND S	TORAGE

Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

