

Product datasheet for **AM00124BT-N**

Phosphotyrosine (incl. pos. control) Mouse Monoclonal Antibody [Clone ID: 2C8]

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | 2C8 |
| Applications: | ELISA, IP, WB |
| Recommended Dilution: | <u>Western Blot</u> : 0.5 µg/ml for HRPO/ECL detection. Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer. <u>ELISA</u> : 0.1 µg/ml. <u>Immunoprecipitation</u> : 1 - 10 µg per 10 ⁶ pervanadate-treated A431 cells. |
| Reactivity: | Canine, Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Synthetic phosphopeptide conjugated to KLH |
| Specificity: | Mab PTYR-2C8 recognizes a broad range of tyrosine--phosphorylated proteins in crude cell extracts and may therefore be particularly well-suited for the detection/screening of tyrosine phosphorylated proteins. |
| Formulation: | PBS/0.09% Na-Azide/PEG and Sucrose Label: Biotin State: Liquid purified IgG |
| Concentration: | lot specific |
| Purification: | Size exclusion chromatography |
| Conjugation: | Biotin |
| Storage: | Store the antibody at -80°C. Avoid repeated freezing and thawing. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months. |
| Stability: | Shelf life: one year from despatch. |

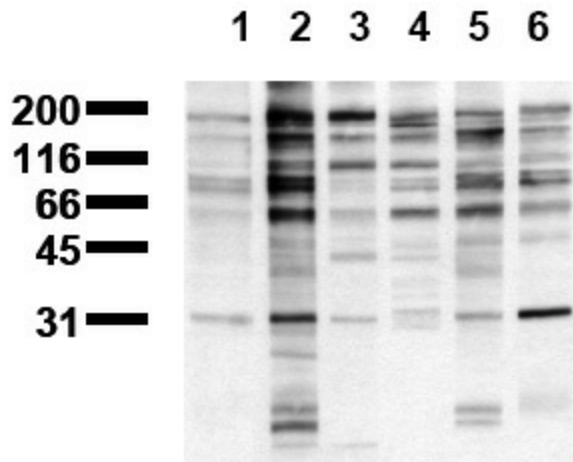


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Background:

Phosphorylation and dephosphorylation of cellular proteins are central steps in transducing extracellular signals to the cell nucleus. Phosphorylated epitopes may serve as docking sites for the assembly of protein complexes or may alter the 3-dimensional protein structure thus modulating enzymatic activity or the ability to undergo protein-protein-interactions. Modification of proteins on tyrosine residues is mediated by protein tyrosine kinases. Tyrosine phosphorylation may alter the biological activity or mediate the assembly of protein complexes via interaction of phosphotyrosine residues with SH2 or PID domains.

Product images:



Phosphotyrosine Detection Lysates of pervanadate-treated A431 cells were probed with Lane 1: mab 2A5 (IgG), 1g/ml Lane 2: mab 2C8 (IgG), 1g/ml Lane 3: mab 3B12 (IgG), 1g/ml Lane 4: mab 9H8 (IgG), 1g/ml Lane 5: mab 16F4 (IgG), 1g/ml Lane 6: mab 9F1 (IgG), 1g/ml