

## 45-1070: Mouse Monoclonal Antibody to Phosphotyrosine (Clone : 5E10E1)(Discontinued)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	5E10E1
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Format :</b>	Purified
<b>Isotype :</b>	Mouse IgG1, k
<b>Immunogen Information :</b>	Phosphotyrosine containing carrier protein

### Description

Phosphotyrosine is a tyrosine residue covalently bound to a phosphate via its hydroxyl group. A tyrosine kinase catalyzes the transfer of a phosphate from ATP to a tyrosine residue on a protein substrate. Tyrosine phosphorylation plays a key role in intracellular signaling and cancer development. Many tyrosine kinases are drug targets for different forms of cancer. Phosphotyrosine antibody specifically binds to phosphotyrosine residues. It is a valuable tool to analyze tyrosine phosphorylation and monitor the activity of tyrosine kinase in high throughput drug discovery. Phosphotyrosine Antibody (5E10), mAb, Mouse is produced from a hybridoma resulting from the fusion of SP2/0-Ag14 myeloma and B-lymphocytes harvested from mouse immunized with phosphotyrosine containing carrier protein.

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Protein A chromatography
<b>Content :</b>	0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.
<b>Storage condition :</b>	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

### Application Note

**Western Blot:** 1-2 µg/ml.

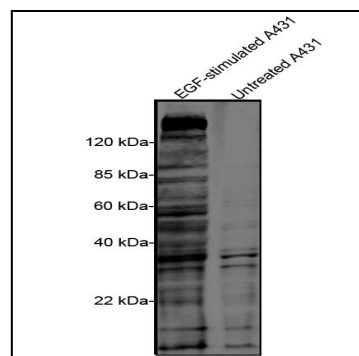


Figure-1 : Western blot analysis of Phosphotyrosine Antibody (Clone: 5E10E1) on EGF-stimulated A431 cell lysates and untreated A431 cell lysates at 1 µg/ml. IRDye 800 Conjugated affinity Purified Goat Anti-Mouse IgG was used as secondary Antibody.