

AB-CN005-2

Phosphotyrosine Antibody

Generic monoclonal antibody (G104) for monitoring the phosphorylation of tyrosine residues in proteins



KINEXUS

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Target Protein

Name Long:	Phosphotyrosine
Alias:	PhosphoTyrosine (pY), PhosphoTyrosine (pY)
UniProt ID:	N/A
Observed SDS-PAGE Mass (KDa):	Many targets

Immunogen

Antibody Immunogen Source:	Phosphotyrosine, alanine and glycine in a 1:1:1 ratio polymerized in the presence of keyhole limpet hemocyanin with 1-ethyl-3-(3'-dimentrylamino)propyl carbodiimide
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	170 IgG1
Antibody Purification:	Protein G purifiedProtein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB IHC ICC/IF IP
Antibody Dilution Recommended:	WB (1:1000), IHC (1:100); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Species Independent
Antibody Positive Control:	1 µg/ml of SMC-174 was sufficient for detection of phosphorylated tyrosine residues in 10 µg of rat tissue lysate by colorimetric immunoblot analysis using Goat anti-rat IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Reacts with phosphotyrosine, and detects the presence of phosphotyrosine in both unstimulated and stimulated cell lysates.
Antibody Specificity:	High
Antibody Cross Reactivities:	Does not cross-react with phosphoserine or phosphothreonine.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-888-546-3987