

Pan Phospho-Tyrosine Rabbit mAb

Catalog NO.: AP1611 **Recombinant**

Basic Information

Observed MW

10 kDa or above

Calculated MW

Category

Phosphorylated Antibodies

Applications

WB, IP, ELISA

Cross-Reactivity

Human, Mouse, Rat, Other (Wide Range Predicted)

Conjugation

Unconjugated

Clone number

ARC78089

Background

Tyrosine phosphorylation (pTyr), much of which occurred on localized multiple sites, initiates cellular signaling, governs cellular functions, and its dysregulation is implicated in many diseases, especially cancers. pTyr-specific sensing is of great significance for understanding disease states and developing targeted anticancer drugs.

Recommended Dilutions

WB 1:1000-1:6000

IP

0.5 µg - 4 µg antibody for 200 µg - 400 µg extracts of whole cells

ELISA

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$), a sequential dilution method is strongly recommended to ensure measurement accuracy.

Contact

Immunogen Information

Gene ID **Swiss Prot**

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

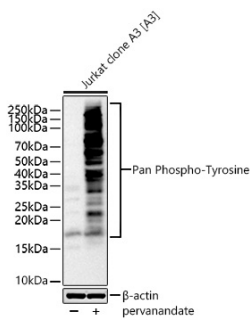
Synonyms

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.		

Validation Data



Western blot analysis of lysates from Jurkat clone A3 [A3] cells using Pan Phospho-Tyrosine Rabbit mAb (AP1611) at 1:1000 dilution incubated overnight at 4°C. Jurkat clone A3 [A3] cells were treated with pervanadate (1 mM) at 37°C for 30 minutes.

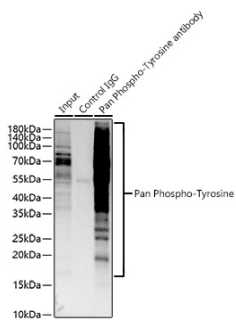
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 20 s.



Immunoprecipitation of Pan Phospho-Tyrosine from 300 µg extracts of Jurkat clone A3 [A3] cells treated with pervanadate (1 mM, 30 min) was performed using 2 µg of Pan Phospho-Tyrosine Rabbit mAb (AP1611). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Pan Phospho-Tyrosine Rabbit mAb (AP1611) at a dilution of 1:5000.

