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Pan Phospho-Tyrosine Rabbit mAb

Catalog No.: AP1611 Recombinant

Basic Information

Observed MW
10 kDa or above

Calculated MW

Category
Primary antibody

Applications
WB,IP,ELISA

Cross-Reactivity
Human, Mouse, Rat, Other (Wide Range Predicted)

CloneNo 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 (≥1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID **Swiss Prot**

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

Synonyms

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. 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.

Contact

400-999-6126

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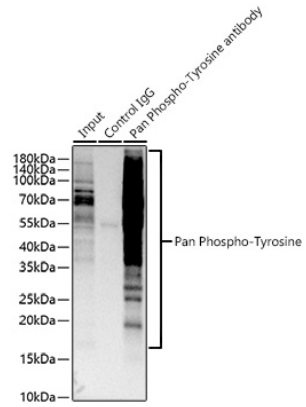
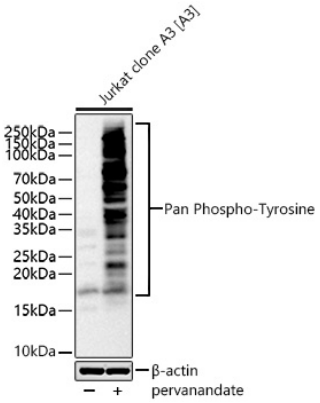
Validation Data



Immunoprecipitation of Pan Phospho-Tyrosine from 300 µg extracts of Jurkat clone A3 [A3] cells treated with pervanandate (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.



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 pervanandate (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.