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# pan Phospho-Serine/Threonine Mouse mAb

**Catalog No.: AP1067** **12 Publications**

## Basic Information

**Observed MW**
10 kDa or above

**Calculated MW**

**Category**
Primary antibody

**Applications**
WB,IHC-P,ELISA

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

**CloneNo number**
AMC0265

## Background

Protein phosphorylation is one of the main key regulatory mechanisms by which extracellular signals are conveyed. Global alteration of signal transduction by inhibition of serine/threonine dephosphorylation has recently been shown to markedly potentiate cancer cell killing by the DNA-methylating drug, temozolomide.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:1000 - 1:8000 |
| **IHC-P** | 1:2000 - 1:8000 |
| **ELISA** | Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. |

## Immunogen Information

**Gene ID** **Swiss Prot**

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

**Synonyms**

## Contact


400-999-6126

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## Product Information

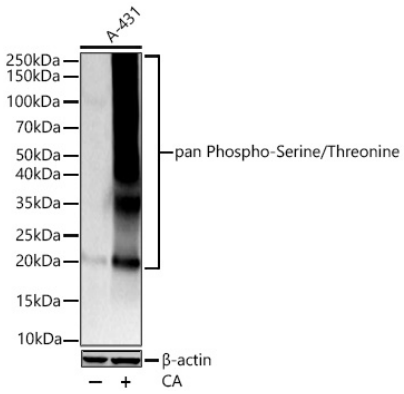
**Source**
Mouse

**Isotype**
IgG2a,kappa

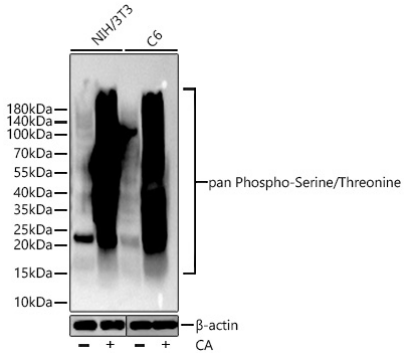
**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

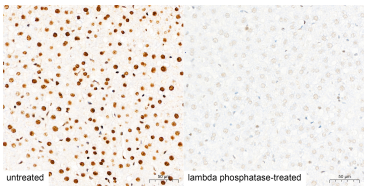
## Validation Data



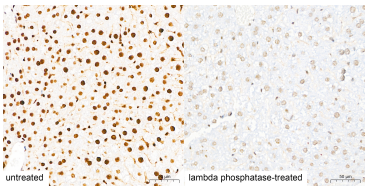

Western blot analysis of lysates from A-431 cells using pan Phospho-Serine/Threonine Mouse mAb (AP1067) at 1:4000 dilution incubated at room temperature for 1.5 hours. A431 cells were treated with Calyculin A (100 nM) at 37℃ for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) 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: 20s.



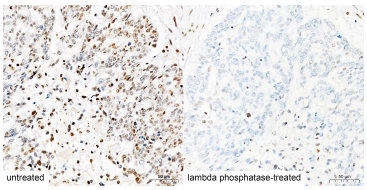

Western blot analysis of various lysates using pan Phospho-Serine/Threonine Mouse mAb (AP1067) at 1:4000 dilution incubated at room temperature for 1.5 hours. NIH/3T3 and C6 cells were treated with Calyculin A (100 nM) at 37℃ for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) 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: 60s.




Immunohistochemistry analysis of paraffin-embedded Rat liver tissue, untreated (left) and lambda phosphatase-treated (right), using pan Phospho-Serine/Threonine Mouse mAb (AP1067) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.




Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue, untreated (left) and lambda phosphatase-treated (right), using pan Phospho-Serine/Threonine Mouse mAb (AP1067) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.




Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue, untreated (left) and lambda phosphatase-treated (right), using pan Phospho-Serine/Threonine Mouse mAb (AP1067) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.