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pan Phospho-Serine/Threonine Mouse mAb

Catalog No.: AP1067 **3 Publications**

Basic Information

Observed MW
10kDa

Calculated MW

Category
Primary antibody

Applications
ELISA,WB,IHC-P

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	1:500 - 1:1000
IHC-P	1:1000 - 1:5000

Immunogen Information

Gene ID

Swiss Prot

Immunogen
A synthetic peptide corresponding to a sequence containing phosphorylated Serine/Threonine.

Synonyms

Contact

400-999-6126

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Product Information

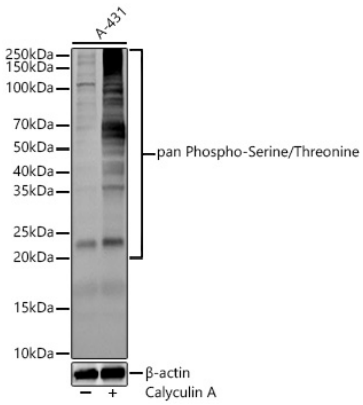
Source
Mouse

Isotype
IgG2b,kappa

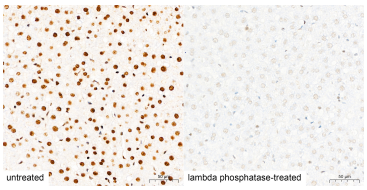
Purification
Affinity purification

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

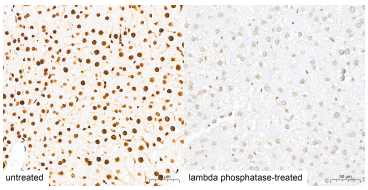
Validation Data



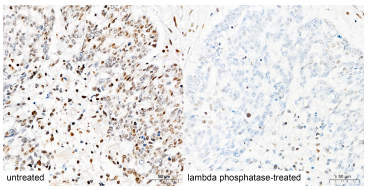
Western blot analysis of lysates from A-431 cells using pan Phospho-Serine/Threonine Mouse mAb (AP1067) at 1:1000 dilution incubated overnight at 4℃. A-431 cells were treated by Calyculin A (50 nM) at 37℃ for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Mouse 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.