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pan Phospho-Serine/Threonine Rabbit mAb

Catalog No.: AP1475 Recombinant 5 Publications

Basic Information

Observed MW
10kDa

Calculated MW

Category
Primary antibody

Applications
WB,IP,IHC-P,ELISA

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

CloneNo number
ARC64485

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 - 1:4000
IP	2μg-4μg antibody for 200μg-400μg extracts of whole cells
IHC-P	1:50 - 1:200
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

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact

400-999-6126

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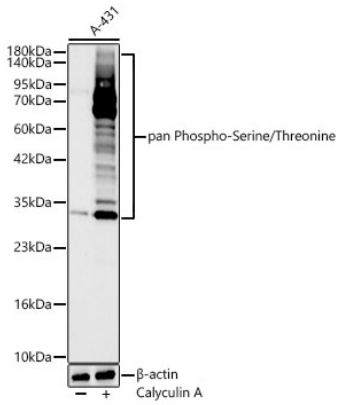
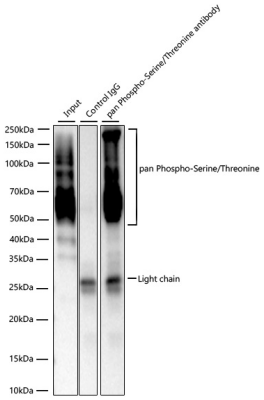
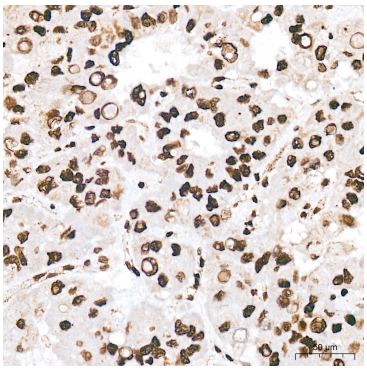
Validation Data



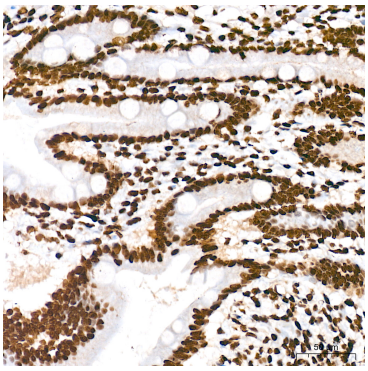
Western blot analysis of lysates from A-431 cells using pan Phospho-Serine/Threonine Rabbit mAb (AP1475) at 1:1000 dilution. A-431 cells were treated with Calyculin A (200 nM) at 37℃ for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



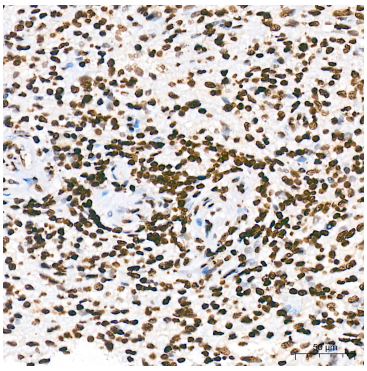
Immunoprecipitation of pan Phospho-Serine/Threonine from 300 µg extracts of A-431 cells treated with calyculin A (200nM,30min) was performed using 2 µg of pan Phospho-Serine/Threonine Rabbit mAb (AP1475). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using pan Phospho-Serine/Threonine Rabbit mAb (AP1475) at a dilution of 1:3000.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using pan Phospho-Serine/Threonine Rabbit mAb (AP1475) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



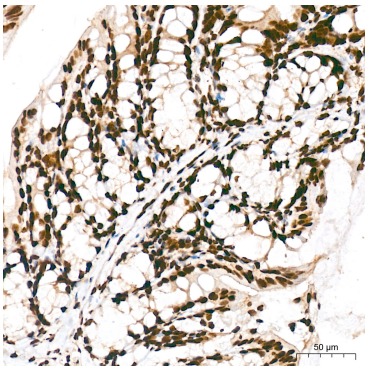
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using pan Phospho-Serine/Threonine Rabbit mAb (AP1475) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



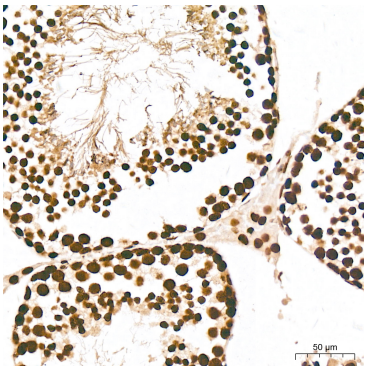
Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using pan Phospho-Serine/Threonine Rabbit mAb (AP1475) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

Validation Data

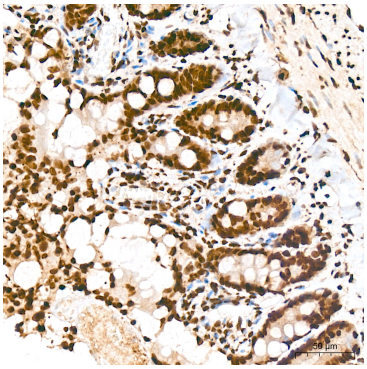
Immunohistochemistry analysis of paraffin-embedded Human thyroid tissue using pan Phospho-Serine/Threonine Rabbit mAb (AP1475) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using pan Phospho-Serine/Threonine Rabbit mAb (AP1475) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using pan Phospho-Serine/Threonine Rabbit mAb (AP1475) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using pan Phospho-Serine/Threonine Rabbit mAb (AP1475) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.