

# Anti-Phosphoserine/threonine Antibody

Catalog # AN1898

## Product Information

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<b>Application</b>	WB, ICC, IP
<b>Primary Accession</b>	<a href="#">N/A</a>
<b>Host</b>	Mouse
<b>Clonality</b>	Mouse Monoclonal
<b>Isotype</b>	IgG1
<b>Clone Names</b>	M380A/M380B

## Additional Information

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<b>Other Names</b>	Phosphoser/thr mAb
<b>Dilution</b>	WB~~1:1000 ICC~~N/A IP~~N/A
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	Anti-Phosphoserine/threonine Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
<b>Shipping</b>	Blue Ice

## Background

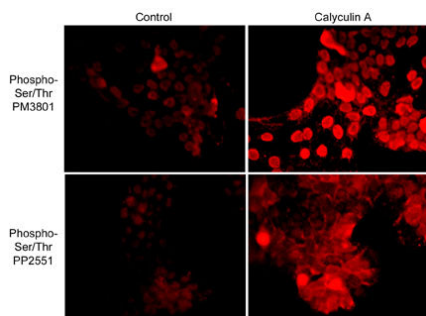
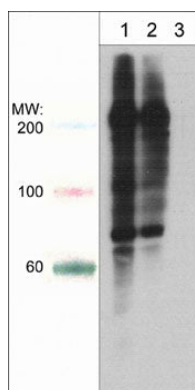
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Phosphorylation of specific serine or threonine residues is an important post-translational modification for regulating the activity of most proteins. Stimulation of a variety of cell signaling pathways activates the receptor and non-receptor ser/thr kinases that mediate these protein modifications. Antibodies that can detect phosphoserine or phosphothreonine residues are excellent tools for characterizing changes in the post-translational state of a broad range of phosphorylated proteins. Immunoprecipitation of proteins of interest followed by detection of phosphoserine or phosphothreonine using anti-phosphoserine antibody is commonly used to correlate changes in phosphorylation state with alterations in protein activity.

## Images

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Western blot analysis of A431 cells treated with calyculin A (100 nM) for 30 min (lane 1 and 2) then treated with lambda phosphatase (lane 3). The blot was probed with anti-Phosphoserine/threonine mouse monoclonal at 1:250 (lane 1) or 1:1000 (lanes 2 & 3).



Immunocytochemical labeling of phosphoserine and phosphothreonine in control and calyculin A-treated A431 cells. The cells were labeled with mouse monoclonal anti-Phosphoserine/threonine (AN1898) and rabbit polyclonal anti-Phosphoserine/threonine (PP2551), then the antibodies were detected using appropriate secondary antibodies conjugated to Cy3.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.