

Anti-Phosphothreonine Antibody

Catalog # AN1900

Product Information

Application	WB, ICC, IP
Primary Accession	N/A
Host	Rabbit
Clonality	Rabbit Polyclonal
Isotype	IgG

Additional Information

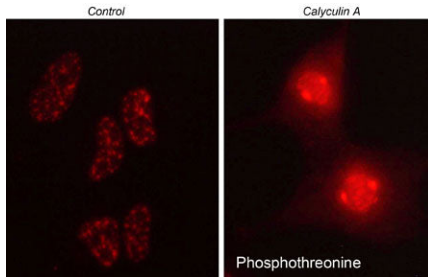
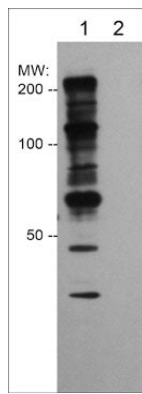
Other Names	Phosphoser/thr mAb
Dilution	WB~~1:1000 ICC~~N/A IP~~N/A
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-Phosphothreonine Antibody is for research use only and not for use in diagnostic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

Background

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

Western blot of human A431 cells treated with Calyculin A (100 nM) for 30 min. The blot was untreated (lane 1) or treated with lambda phosphatase (lanes 2), then probed with anti-Phosphothreonine (AN1900) at 1:1000.



Immunocytochemical labeling of phosphothreonine upregulation in control (left) or calyculin A-treated HeLa cells (right). The cells were labeled with rabbit polyclonal anti-Phosphothreonine (AN1900). The antibody was detected using goat anti-rabbit DyLight® 594.

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