

Mouse Phosphoserine/threonine Monoclonal Antibody

Phosphoserine/threonine M380 Antibody

CATALOG # AAA71688	HOST Mouse	APPLICATIONS Immunocytochemistry, Immunoprecipitation, ELISA, Western Blot
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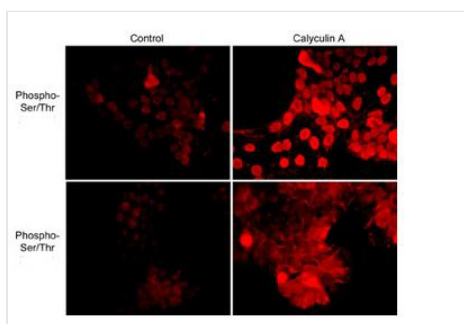
PRODUCT SYNONYMS

Phosphoserine/threonine; Monoclonal Antibody; Phosphoserine/threonine M380 Antibody; Anti-Phosphoserine/threonine; Phosphoser/thr mAb; anti-Phosphoserine/threonine antibody

PRODUCT SPECIFICATIONS

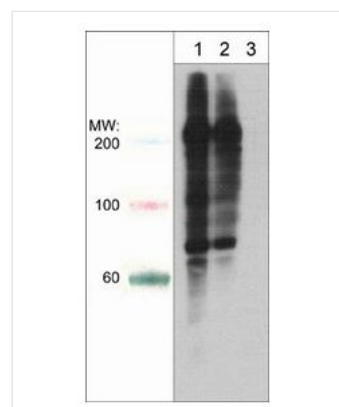
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	M380A/M380B
Specificity	The antibody detects many serine or threonine phosphorylated proteins by western blot, immunocytochemistry, and ELISA.
Purity/Purification	Protein A chromatography
Form/Format	Mouse monoclonal antibody purified with protein A chromatography is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-Phosphoserine/threonine antibody	ICC (Immunocytochemistry), IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Phosphoserine/threonine is a mix of two clones: Clone M380A was generated from a phosphothreonine synthetic peptide (coupled to carrier protein) and Clone M380B was generated from a phosphoserine synthetic peptide (coupled to carrier protein).
Preparation and Storage	Store at -20°C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemical labeling of phosphoserine and phosphothreonine in control and calyculin A-treated A431 cells. The cells were labeled with mouse monoclonal anti-Phosphoserine/threonine (AAA71688) and rabbit polyclonal anti-Phosphoserine/threonine, then the antibodies were detected using appropriate secondary antibodies conjugated to Cy3.



WB (Western Blot)

Western blot analysis of A431 cells treated with calyculin A (100nM) 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).

ADDITIONAL INFORMATION

Related Product Information for anti-Phosphoserine/threonine antibody	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.
References	Yaffe, M.B. & Elia, A.E. (2001) Curr Opin Cell Biol 13, 131-8. Krishna, R.G. & Wold, F. (1993) Adv Enzymol Rel Areas Mol Biol 67:265. Hunter T.(1987) Cell. 50(6):823.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/phosphoserine-threonine-antibody-clone-m380a-m380b-immunocytochemistry-immunoprecipitation-western-blot-elisa/71688>