

Product datasheet for **TA389186**

(pSer/Thr) Rabbit Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC, IP, WB
Recommended Dilution:	WB: 1:1000 ICC: 1:50
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Isotype:	IgG
Immunogen:	Anti-Phosphoserine/threonine was generated from a panel of phosphoserine and phosphothreonine-containing peptide immunogens designed from human protein sequences. All peptide sequences used are highly conserved in many species.
Specificity:	This antibody was cross-adsorbed to unphosphorylated peptide then affinity purified using a mix of phosphoserine and phosphothreonine peptides (without carrier). The antibody detects many serine or threonine phosphorylated proteins by western blot, immunocytochemistry, and ELISA.
Formulation:	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Concentration:	lot specific
Purification:	Antigen Affinity Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.



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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.

Note:

Antigen affinity purified rabbit serum.