

Anti-PhosphoThreonine (pT) [RABBIT] Antibody
Phosphothreonine Antibody
Catalog # ASR5175**Specification**

Anti-PhosphoThreonine (pT) [RABBIT] Antibody - Product Information

Host	Rabbit
Conjugate	Unconjugated
Reactivity	Mouse
Clonality	Polyclonal
Application	WB, IHC, E, IP, I, LCI
Application Note	This affinity-purified antibody is tested for use in ELISA, western blotting and immunoprecipitation assays. The antibody reacts specifically with phosphothreonine and shows minimal reactivity by ELISA and western blotting with proteins containing phosphotyrosine or phosphoserine residues. The antibody reacts with free phosphothreonine, phosphothreonine conjugated to carriers such as thyroglobulin or BSA, and detects the presence of phosphothreonine in proteins of both unstimulated and stimulated cell lysates. Although not tested, this antibody is likely functional in RIA, flow cytometry and immunohistochemistry.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	PhosphoThreonine antibody was prepared from whole rabbit serum produced by repeated immunizations with phosphothreonine conjugated KLH.
Stabilizer	50% (v/v) Glycerol

Anti-PhosphoThreonine (pT) [RABBIT] Antibody - Additional Information**Purity**

Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using phosphorylated threonine peptide coupled to agarose. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit IgG. Reactivity is specific for phosphothreonine and minimal cross reactivity is observed against phosphotyrosine or phosphoserine.

Storage Condition

Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-PhosphoThreonine (pT) [RABBIT] Antibody - Protein Information**Anti-PhosphoThreonine (pT) [RABBIT] Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-PhosphoThreonine (pT) [RABBIT] Antibody - Images

Rockland's Affinity Purified anti-phosphothreonine (pT) antibody is shown to detect phosphorylated proteins present in mouse spleen cell lysates. Left Lane: extract of spleen from mouse treated with vanadium. Right lane: extract of spleen from untreated mouse.

Anti-PhosphoThreonine (pT) [RABBIT] Antibody - Background

Phospho-Threonine Antibody detects proteins and peptides phosphorylated at threonine residues in a manner largely independent of the surrounding amino acid sequence. Phosphorylation of threonine residues is associated with many growth factors and oncogene protein kinases, and is important for cell signaling in activation, proliferation and differentiation.