

**S6 Kinase 1 (Thr449) Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # AN1291****Specification**

---

**S6 Kinase 1 (Thr449) Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P42818</a>
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52588

**S6 Kinase 1 (Thr449) Antibody - Additional Information**

Gene ID	820020
Gene Name	S6K1

**Target/Specificity**

Synthetic phospho-peptide corresponding to amino acid residues surrounding Thr449 conjugated to KLH

**Dilution**

WB~~ 1:1000

**Format**

Antigen Affinity Purified from Pooled Serum

**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**

S6 Kinase 1 (Thr449) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Shipping**

Blue Ice

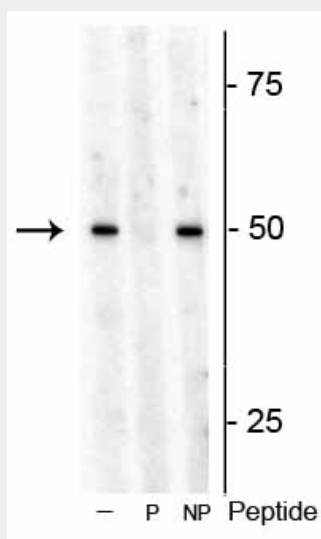
**S6 Kinase 1 (Thr449) Antibody - Protocols**

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](#)

## S6 Kinase 1 (Thr449) Antibody - Images



Western blot of Arabidopsis lysate showing specific immunolabeling of the ~53 kDa S6K1 phosphorylated at Thr449 in the first lane (-). Phosphospecificity is shown in the second lane (P) where immunolabeling is blocked by preadsorption with the phosphopeptide used as antigen, but not by the corresponding non-phosphopeptide in the third lane (NP).

## S6 Kinase 1 (Thr449) Antibody - Background

Ribosomal s6 kinase is a member of a family of protein kinases involved in signal transduction. The subfamily S6K has two known homologues: S6K1 and S6K2. First characterized in mammals, S6K1 is controlled by target-of-rapamycin (TOR) kinase, which plays a central regulatory role in growth signaling pathways (Dufner and Thomas 1999). Osmotic stress inhibition of S6K is mediated by the TOR kinase pathway (Mahfouz et al., 2006). The activation of mammalian S6K1 involves phosphorylation at thr