Ribosomal Protein S3
Antibody

For Research Use Only. Not For Use In Diagnostic Procedures.

**Background:** Ribosomal protein S3 (rpS3) is a component of the 40S ribosomal subunit and is involved in translation. HSP90 interacts with both the N-terminus and C-terminus of rpS3, preventing its ubiquitination and degradation and thereby retaining the integrity of the ribosome (1). rpS3 has also been shown to function as an endonuclease during DNA damage repair (2,3). Furthermore, overexpression of rpS3 during apoptosis and apoptosis have been mapped to two distinct domains (4).

**Specificity/Sensitivity:** Ribosomal Protein S3 Antibody detects endogenous levels of total ribosomal protein S3.

**Source/Purification:** Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the sequence of human ribosomal protein S3. Antibodies are purified by peptide affinity chromatography.

**Background References:**

**Recommended Antibody Dilutions:**
Western blotting 1:1000
Immunofluorescence (IF-IC) 1:25

For application specific protocols please see the web page for this product at www.cellsignal.com. Please visit www.cellsignal.com for a complete listing of recommended companion products.

**Applications**

- **物种反应性**
  - H, M, R, Mk

- **分子量**
  - 27 kDa

- **来源**
  - 兔

**Storage:**
Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. Do not aliquot the antibody.

*Species cross-reactivity is determined by western blot.

**Anti-rabbit secondary antibodies must be used to detect this antibody.**

**Order Information**

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- **877-678-TECH (8324)**
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**Entrez-Gene ID #6188**
**Swiss-Prot Acc. #P23396**

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**IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v BSA, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.**

**Applications Key:**
- W—Western
- IP—Immunoprecipitation
- IHC—Immunohistochemistry
- ChIP—Chromatin Immunoprecipitation
- IF—Immunofluorescence
- F—Flow cytometry
- E—ELISA
- P—ELISA-Peptide

**Species Cross-Reactivity Key:**
- H—human
- M—mouse
- R—rat
- Hm—hamster
- Mk—monkey
- Mm—mink
- C—chicken
- Dm—D. melanogaster
- X—Xenopus
- Z—zebrafish
- B—bovine
- Dg—dog
- Pg—pig
- Sc—S. cerevisiae
- Ce—C. elegans
- Hr—Horse
- All—all species expected

Species enclosed in parentheses are predicted to react based on 100% homology.