

**AP05150PU-N****Polyclonal Antibody to SURF1 - Purified****Alternate names:**

Ssu72

**Quantity:**

0.1 mg

**Concentration:**

Lot specific

**Background:**

Human Ssu72 is a highly conserved homologue of yeast Ssu72, a CTD phosphatase and a component of the polyadenylation/ termination machinery. The human Ssu72 is located on Chromosome 1p36 and seems to represent a single gene. It was identified as a pRb binding factor and was also shown to interact with TFIIB and yeast PTA1. Rabbit polyclonal antibodies were raised against SSU72 fusion protein. The ABs recognize a single band of ~30 Kda on immunoblots of various human cell lines but do not work well on mouse tissues.

**Host / Isotype:**

Rabbit / IgG

**Immunogen:**

Full length recombinant human Ssu72 protein

**Format:****State:** Liquid purified IgG**Buffer System:** Phosphate buffered saline with 0.08% sodium azide**Applications:**

Western Blot: 1 - 5 µg/ml.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:**

This antibody reacts to SURF1.

**Species:** Human.

Other species not tested.

**Storage:**

The antibody can be shipped at ambient temperature. Store (in aliquots) at -20°C only.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

**General Readings:**

1. St-Pierre B, Liu X, Kha LC, Zhu X, Ryan O, Jiang Z, et al. Conserved and specific functions of mammalian ssu72. *Nucleic Acids Res.* 2005 Jan 19;33(2):464-77. Print 2005. PubMed PMID: 15659578.
2. Krishnamurthy, S., et al. Ssu72 is an RNA polymerase II CTD phosphatase *Mol. Cell* 2004, 14, 387 - 394
3. Steinmetz EJ, Brow DA. Ssu72 protein mediates both poly(A)-coupled and poly(A)-independent termination of RNA polymerase II transcription. *Mol Cell Biol.* 2003 Sep;23(18):6339-49. PubMed PMID: 12944462.

**Pictures:**

Western blot analysis using Ssu72 antibody on MCF-7 (1), Cos-7 (2) and Cos-7 cells transfected with HA-Tagged Ssu72 protein (3).

