

**KD-Validated Anti-SRP72 Rabbit Monoclonal Antibody**  
**Rabbit monoclonal antibody**  
**Catalog # AGI2268****Specification****KD-Validated Anti-SRP72 Rabbit Monoclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O76094</a>
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 75 kDa; observed, 73 kDa kDa
Gene Name	SRP72
Aliases	SRP72; Signal Recognition Particle 72; Signal Recognition Particle 72 kDa Protein; Signal Recognition Particle Subunit SRP72; Signal Recognition Particle 72kDa; Signal Recognition Particle 72kD; Epididymis Luminal Protein 103; HEL103; BMFS1; BMFF
Immunogen	A synthesized peptide derived from human SRP72

**KD-Validated Anti-SRP72 Rabbit Monoclonal Antibody - Additional Information**

Gene ID	6731
<b>Other Names</b>	
Signal recognition particle subunit SRP72, SRP72, Signal recognition particle 72 kDa protein, SRP72	

**KD-Validated Anti-SRP72 Rabbit Monoclonal Antibody - Protein Information****Name** SRP72**Function**

Component of the signal recognition particle (SRP) complex, a ribonucleoprotein complex that mediates the cotranslational targeting of secretory and membrane proteins to the endoplasmic reticulum (ER) (PubMed: [34020957](http://www.uniprot.org/citations/34020957)). The SRP complex interacts with the signal sequence in nascent secretory and membrane proteins and directs them to the membrane of the ER (PubMed: [34020957](http://www.uniprot.org/citations/34020957)). The SRP complex targets the ribosome-nascent chain complex to the SRP receptor (SR), which is anchored in the ER, where SR compaction and GTPase rearrangement drive cotranslational protein translocation into the ER (PubMed: [34020957](http://www.uniprot.org/citations/34020957)). Binds the signal recognition particle RNA (7SL RNA) in presence of SRP68 (PubMed: [21073748](http://www.uniprot.org/citations/21073748), PubMed: [27899666](http://www.uniprot.org/citations/27899666)). Can bind 7SL RNA with low affinity (PubMed: [27899666](http://www.uniprot.org/citations/27899666)).

href="http://www.uniprot.org/citations/21073748" target="\_blank">21073748</a>, PubMed:<a href="http://www.uniprot.org/citations/27899666" target="\_blank">27899666</a>). The SRP complex possibly participates in the elongation arrest function (By similarity).

#### Cellular Location

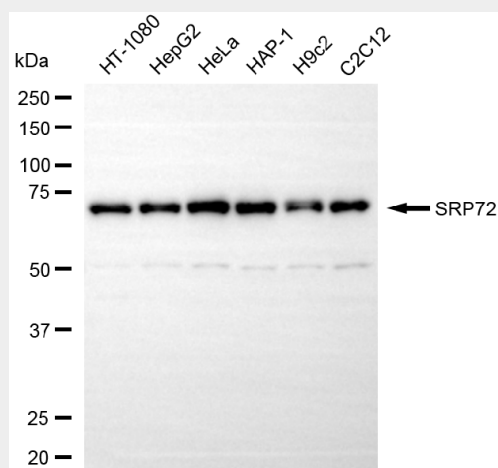
Cytoplasm. Endoplasmic reticulum

#### KD-Validated Anti-SRP72 Rabbit Monoclonal Antibody - Protocols

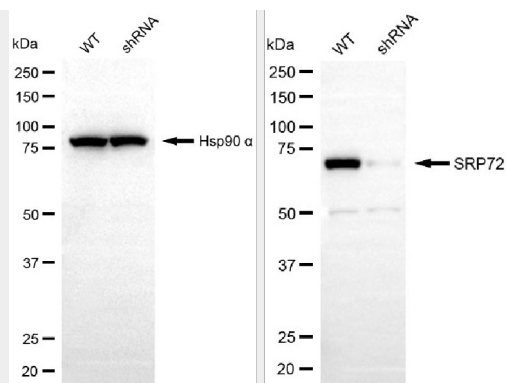
Provided below are standard protocols that you may find useful for product applications.

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

#### KD-Validated Anti-SRP72 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-SRP72 antibody (Cat#65606). Total cell lysates (20 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-SRP72 antibody (Cat#65606, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).



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Western blotting analysis using anti-SRP72 antibody (Cat#65606). SRP72 expression in wild-type (WT) and SRP72 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-SRP72 antibody (Cat#65606, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).