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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	O76094
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**

Other Names
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). 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). 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). Binds the signal recognition particle RNA (7SL RNA) in presence of SRP68 (PubMed:21073748, PubMed:27899666). Can bind 7SL RNA with low affinity (PubMed:<a

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

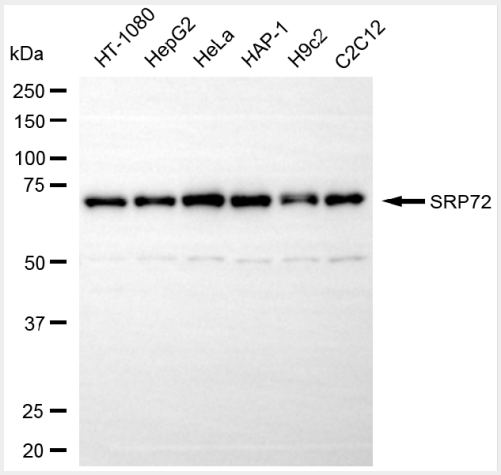
Cellular Location
Cytoplasm. Endoplasmic reticulum

KD-Validated Anti-SRP72 Rabbit Monoclonal Antibody - Protocols

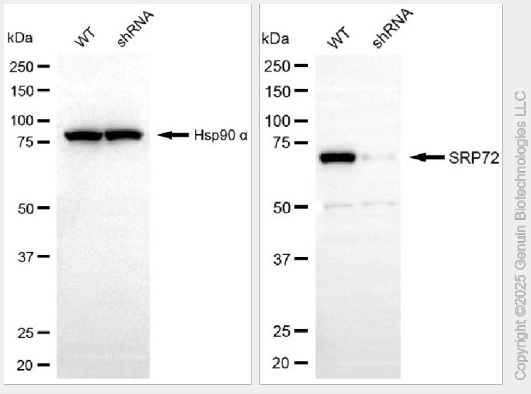
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-SRP72 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-SRP72 antibody (Cat#AGI2268). 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#AGI2268, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Western blotting analysis using anti-SRP72 antibody (Cat#AGI2268). 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#AGI2268, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.