
Product Name: KD-Validated SRP72 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00323**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 74.6kDa

Antigen Information

Gene Name	SRP72 SRP72; Signal Recognition Particle 72; Signal Recognition Particle 72 KDa Protein; Signal
Alternative Names	Recognition Particle Subunit SRP72; Signal Recognition Particle 72kDa; Signal Recognition Particle 72kD; Epididymis Luminal Protein 103; HEL103; BMFS1; BMFF
Gene ID	6731.0
SwissProt ID	O76094
Immunogen	A synthesized peptide derived from human SRP72

Background

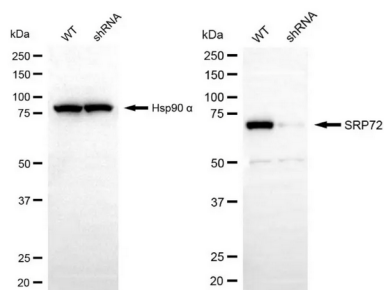
This gene encodes the 72 kDa subunit of the signal recognition particle (SRP), a ribonucleoprotein complex that mediates the targeting of secretory proteins to the endoplasmic reticulum (ER). The SRP complex consists of a 7S RNA and 6 protein

subunits: SRP9, SRP14, SRP19, SRP54, SRP68, and SRP72, that are bound to the 7S RNA as monomers or heterodimers. SRP has at least 3 distinct functions that can be associated with the protein subunits: signal recognition, translational arrest, and ER membrane targeting by interaction with the docking protein. Mutations in this gene are associated with familial bone marrow failure. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2012]

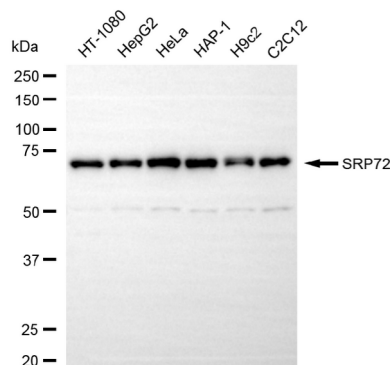
Research Area

Epigenetics and Nuclear Signaling, Signal Transduction

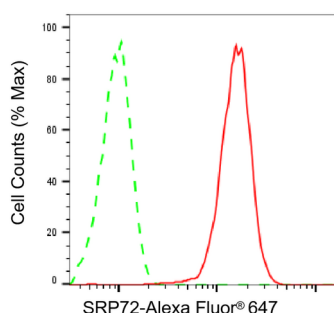
Image Data



Western blotting analysis using SRP72 antibody (KVA00323). 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 SRP72 antibody (KVA00323, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using SRP72 antibody (KVA00323). Total cell lysates (20 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with SRP72 antibody (KVA00323, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of SRP72 expression in HepG2 cells using SRP72 antibody (KVA00323, 1:2,000). Green, isotype control; red, SRP72.