

KD-Validated Anti-SRP72 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI2268

Product Information

Application	WB
Primary Accession	O76094
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB4490
Calculated MW	74606
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

Additional Information

Gene ID	6731
Other Names	Signal recognition particle subunit SRP72, SRP72, Signal recognition particle 72 kDa protein, SRP72

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: 21073748 , PubMed: 27899666). The SRP complex possibly participates in the elongation arrest function (By similarity).
Cellular Location	Cytoplasm. Endoplasmic reticulum

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.