SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-SRP68 antibody

Catalog Number: SL2381R

FOR RESEARCH USE ONLY

[DATASHEET]

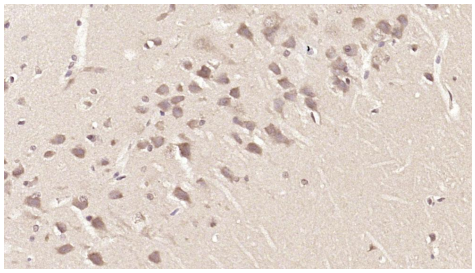
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	SRP68
Immunogen:	KLH conjugated synthetic peptide derived from human SRP68: 401-500/627
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse,Chicken,Dog,Cow,Horse,Rabbit)
Predicted MW.:	71kDa
Subcellular Location:	The nucleus
Background:	Signal-recognition-particle assembly has a crucial role in targeting secretory proteins to the rough endoplasmic reticulum membrane. SRP68 binds the 7S RNA, SRP72 binds to this complex subsequently. This ribonucleoprotein complex might interact directly with the docking protein in the ER membrane and possibly participate in the elongation arrest function. **Function:** Signal-recognition-particle assembly has a crucial role in targeting secretory proteins to the rough endoplasmic reticulum membrane. SRP68 binds the 7S RNA, SRP72 binds to this complex subsequently. This ribonucleoprotein complex might interact directly with the docking protein in the ER membrane and possibly participate in the elongation arrest function. **Subunit:** Signal recognition particle consists of a 7S RNA molecule of 300 nucleotides and six protein subunits: SRP72, SRP68, SRP54, SRP19, SRP14 and SRP9.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Subcellular Location: Cytoplasm. Nucleus, nucleolus. **Similarity:** Belongs to the SRP68 family. **Database links:** **Entrez Gene:** 6730 Human **Entrez Gene:** 217337 Mouse **Entrez Gene:** 363707 Rat Omim: 604858 Human **SwissProt:** Q9UHB9 Human **SwissProt:** Q8BMA6 Mouse **Unigene:** 514495 Human **Unigene:** 29655 Mouse **Unigene:** 68 Rat Signal recognition particle (SRP) is one of the ubiquitous mechanisms mediating protein recognition and transport, and the targeted transfer of intracellular proteins is an important component of the protein quality and quantity control system. Research on the functional genes and proteins involved in this process, especially on the targeted delivery mechanisms of proteins, is of great theoretical significance for revealing cell differentiation, metabolism and pathological changes.

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SRP68) Polyclonal Antibody, Unconjugated (SL2381R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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