

SRP14 Polyclonal Antibody

Catalog number: 11528-1-AP

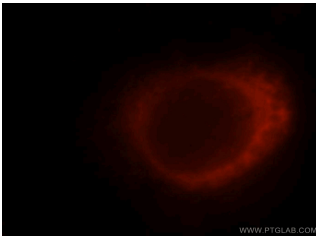
Size: 62 µg/150 µl

Source: Rabbit

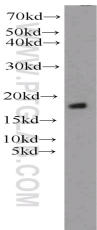
Isotype: IgG

Synonyms:

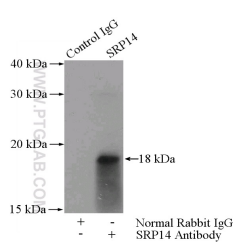
SRP14; 18 kDa Alu RNA binding protein, ALURBP, SRP14



Immunofluorescent analysis of MCF-7 cells, using SRP14 antibody 11528-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



A549 cells were subjected to SDS PAGE followed by western blot with 11528-1-AP(SRP14 antibody) at dilution of 1:800



IP Result of anti-SRP14 (IP:11528-1-AP, 4µg; Detection:11528-1-AP 1:300) with A549 cells lysate 1600µg.

Background

Signal recognition particle(SRP) acts in three distinct ways: 1 it binds to the signal sequence of the nascent polypeptide to be translocated, which is exposed on the surface of the translating ribosome; 2 it temporarily retards the nascent polypeptide from further elongation; 3 it mediates docking of the SRP-ribosome-nascent polypeptide chain complex to the RER membrane via the heterodimeric SRP-receptor (SR). SRP14 protein is a component of signal-recognition-particle that has a crucial role in targeting secretory proteins to the rough endoplasmic reticulum membrane. SRP9 together with SRP14 and the Alu portion of the SRP RNA, constitutes the elongation arrest domain of SRP. SRP14 form a heterodimer with SRP9, which recognizes Alu RNA and the related 7SL RNA.

Applications

Tested applications:	ELISA, IF, WB, IP
Cited applications:	WB
Species specificity:	Human; other species not tested.
Cited species:	Human, mouse
Calculated SRP14 MW:	136aa,15 kDa
Observed SRP14 MW:	18 kDa
Positive WB detected in	A549 cells, HeLa cells, human heart tissue
Positive IP detected in	A549 cells
Positive IF detected in	MCF-7 cells, HepG2 cells
Recommended dilution:	WB: 1:200-1:2000
	IP: 1:200-1:1000
	IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2099
GenBank accession number:	BC035495
Gene ID (NCBI):	6727
Full name:	Signal recognition particle 14kDa (homologous Alu RNA binding protein)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.