For Research Use Only

SRP19 Recombinant antibody, PBS Only (Detector)

Catalog Number:84061-3-PBS

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Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
84061-3-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG8903

GenBank Accession Number:
BC010947

GeneID (NCBI):
6728

UNIPROT ID:
P09132

Full Name:
signal recognition particle 19kDa

Calculated MW:
144 aa, 16 kDa

Observed MW:
17 kDa

Purification Method:
Protein A purfication

CloneNo.:
241219E9

Applications

Tested Applications:
WB, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse

Product Information

84061-3-PBS targets SRP19 as part of a matched antibody pair:

MP00977-1: 84061-1-PBS capture and 84061-3-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications.Antibody use should be optimized by the end user for each application and assay.

Background Information

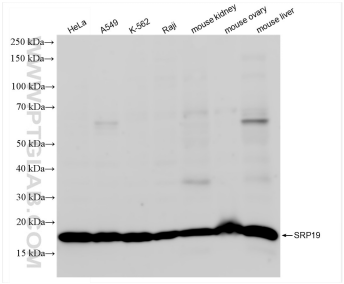
The signal recognition particle (SRP) is one of the few functional small RNP particles. The SRP couples the synthesis of membrane and secretory proteins across or into the endoplasmic reticulum (ER) membrane in eukaryotes, as well as across the bacterial plasma membrane, and chloroplast thylakoid membranes. The mammalian SRP is composed of a 7S (or 7SL) RNA and six different proteins, SRP9, SRP14, SRP19, SRP54, SRP68 and SRP72. All of the components of SRP, including SRP RNA, participate directly in the overall protein targeting process. SRP19 binds directly to 7S RNA and mediates binding of the 54 kDa subunit of the SRP. SRP19 was shown to significantly enhance SRP54 attachment to helix 8 of 7SL RNA.

Storage

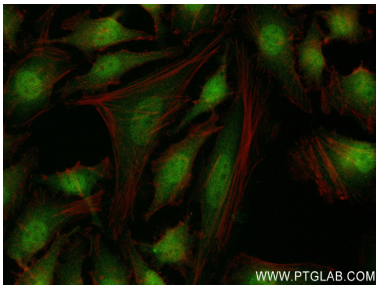
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

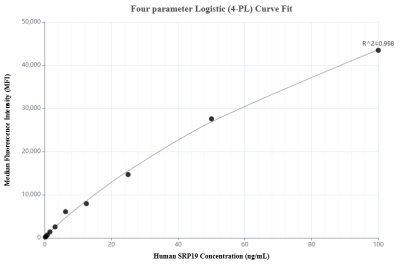
Selected Validation Data



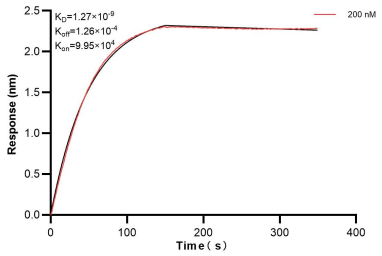
Various lysates were subjected to SDS PAGE followed by western blot with 84061-3-RR (SRP19 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84061-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using SRP19 antibody (84061-3-RR, Clone: 241219E9) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84061-3-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00977-1, SRP19 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84061-1-PBS. Detection antibody: 84061-3-PBS. Standard: Ag8903. Range: 0.195-100 ng/mL.



Biolayer interferometry (BLI) kinetic assay of 84061-3-PBS against Human SRP19 was performed. The affinity constant is 1.27 nM.