

## Anti-SRP19 Antibody

Catalog Number: A07666-1

### About SRP19

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. Binding of SRP19 leads to restructuring of both helix 6 and 8, causing local changes at the SRP54-binding site. This antibody is a rabbit polyclonal antibody raised against full length SRP19 of human origin.

### Overview

Product Name	Anti-SRP19 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-SRP19 Antibody catalog # A07666-1. Tested in WB, IHC, ICC/IF, IP, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IP, IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P09132

### Technical Details

Immunogen	E.coli-derived human SRP19 recombinant protein (Position: C3-K141).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.

Suggested Dilutions

Western blot, 1:500-2000  
Immunohistochemistry, 1:50-400  
Immunocytochemistry/Immunofluorescence, 1:50-400  
ImmunoPrecipitation, 1:250-300  
ELISA, 1:100-1000

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Anti-SRP19 Antibody

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