

# STAR Monoclonal antibody

Catalog Number: 67130-1-Ig **3 Publications**

## Basic Information

### Catalog Number:

67130-1-Ig

### Size:

1900 µg/ml

### Source:

Mouse

### Isotype:

IgG1

### Immunogen Catalog Number:

AG28698

### GenBank Accession Number:

BC010550

### GeneID (NCBI):

6770

### UNIPROT ID:

P49675

### Full Name:

steroidogenic acute regulatory protein

### Calculated MW:

285 aa, 32 kDa

### Observed MW:

28-32 kDa

### Purification Method:

Protein G purification

### CloneNo.:

1G6E6

### Recommended Dilutions:

WB 1:5000-1:50000

IF-P 1:200-1:800

IF-Fro 1:200-1:800

## Applications

### Tested Applications:

WB, IF-P, IF-Fro, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat, pig

### Cited Species:

mouse, pig

### Positive Controls:

**WB**: pig adrenal gland tissue, human testis tissue, K-562 cells, rat adrenal gland tissue, rat testis tissue, THP-1 cells

**IF-P**: mouse testis tissue,

**IF-Fro**: mouse testis tissue,

## Background Information

Steroidogenic acute regulatory protein (StAR) is a key player in acute regulation of hormone-induced steroidogenesis, by facilitating cholesterol transport from cellular stores to inner mitochondria membrane where the cholesterol was converted to pregnenolone. StAR is prevalently expressed in mitochondria of steroid-producing adrenal and gonadal tissue

## Notable Publications

| Author       | Pubmed ID | Journal                | Application |
|--------------|-----------|------------------------|-------------|
| Kai Wang     | 37742481  | Theriogenology         | IF          |
| Yong Zou     | 37468076  | Toxicol Appl Pharmacol | IHC, WB     |
| Pengyun Ling | 37031914  | Mol Cell Endocrinol    | IF          |

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

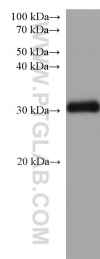
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

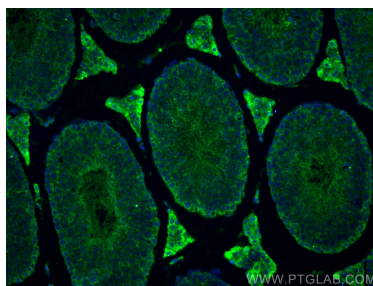
W: [ptgcn.com](http://ptgcn.com)

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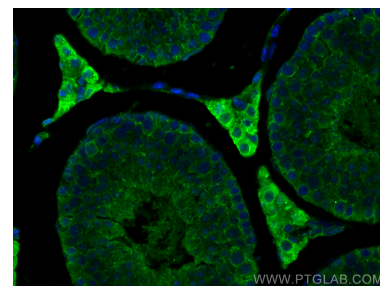
## Selected Validation Data



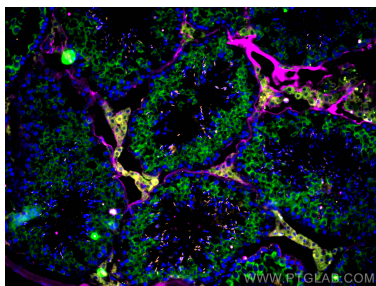
pig adrenal gland tissue were subjected to SDS PAGE followed by western blot with 67130-1-Ig (STAR antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using STAR antibody (67130-1-Ig, Clone: 1G6E6 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using STAR antibody (67130-1-Ig, Clone: 1G6E6 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed frozen OCT-embedded mouse testis tissue using 67130-1-Ig (STAR antibody) at dilution of 1:400, CoraLite®555 CL555-17178 (TNP1 antibody, orange) and CoraLite® Plus 488 CL488-13720 (BOULE antibody, green).