

For Research Use Only

# MGC33407/ACTL9 Polyclonal antibody



Catalog Number: 29885-1-AP

## Basic Information

<b>Catalog Number:</b> 29885-1-AP	<b>GenBank Accession Number:</b> BC024028	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 450 µg/ml	<b>GeneID (NCBI):</b> 284382	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8TC94	
<b>Isotype:</b> IgG	<b>Full Name:</b> hypothetical protein MGC33407	
<b>Immunogen Catalog Number:</b> AG31805	<b>Observed MW:</b> 45 kDa	

## Applications

### Tested Applications:

IF-P, IHC, WB, ELISA

### Species Specificity:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : mouse skeletal muscle tissue, rat skeletal muscle

IHC : human liver tissue, mouse testis tissue

IF : mouse testis tissue,

## Background Information

ACTL9 (Actin Like 9), also named MGC33407, encodes a testis-specific actin-like protein that plays a role in fusion of proacrosomal vesicles and perinuclear theca formation (PMID: 33626338). ACTL9 protein contains 416 amino acids, which mainly localizes in the equatorial segment of human sperm head (PubMed: 33626338). Diseases associated with ACTL9 include spermatogenic failure and non-syndromic male infertility.

## Storage

### Storage:

Store at -20°C.

### 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:

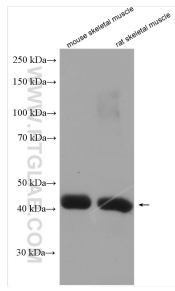
T: 4006900926

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

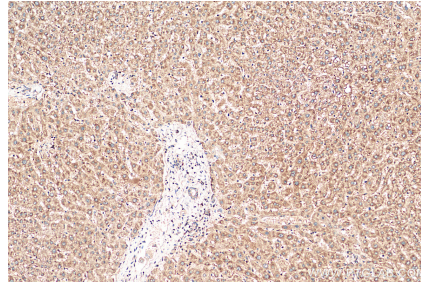
W: [ptgcn.com](http://ptgcn.com)

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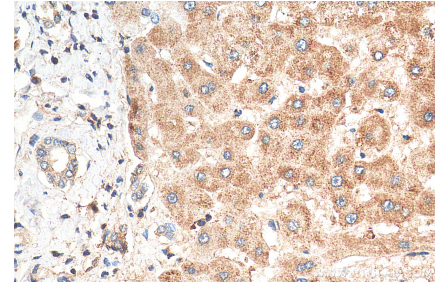
## Selected Validation Data



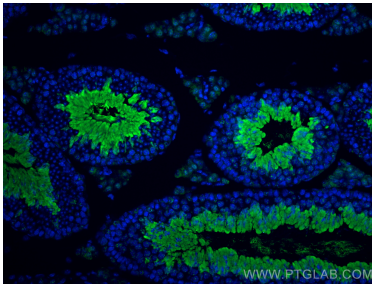
Various lysates were subjected to SDS PAGE followed by western blot with 29885-1-AP (MGC33407/ACTL9 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



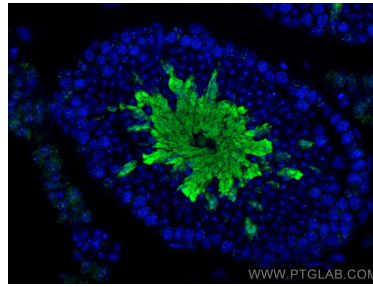
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 29885-1-AP (MGC33407/ACTL9 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



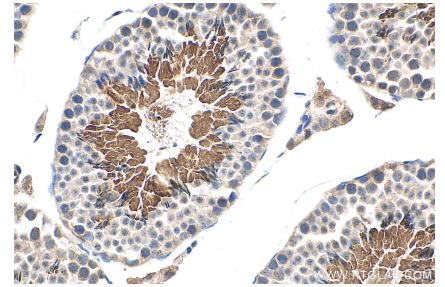
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 29885-1-AP (MGC33407/ACTL9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



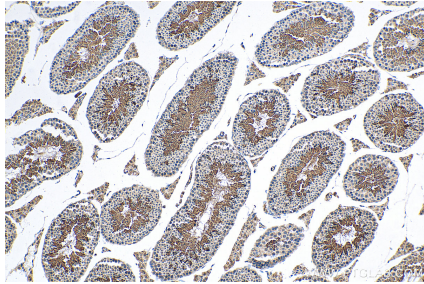
Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using MGC33407/ACTL9 antibody (29885-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using MGC33407/ACTL9 antibody (29885-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 29885-1-AP (MGC33407/ACTL9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 29885-1-AP (MGC33407/ACTL9 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).