

For Research Use Only

# ACTL9 Polyclonal antibody, PBS Only

Catalog Number: 29885-1-PBS



## Basic Information

Catalog Number:  
29885-1-PBS

Source:  
Rabbit

Isotype:  
IgG

Immunogen Catalog Number:  
AG31805

GenBank Accession Number:  
BC024028

GeneID (NCBI):  
284382

UNIPROT ID:  
Q8TC94

Full Name:  
hypothetical protein MGC33407

Observed MW:  
45 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, IF-P, Indirect ELISA

Species Specificity:

human, mouse, rat

## 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 -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

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

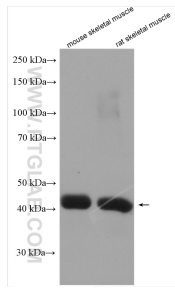
T: 4006900926

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

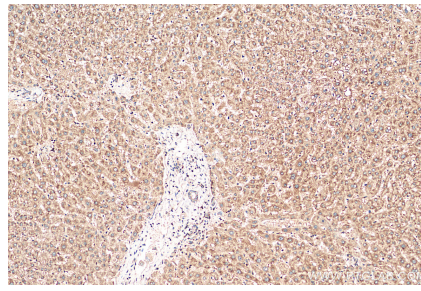
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

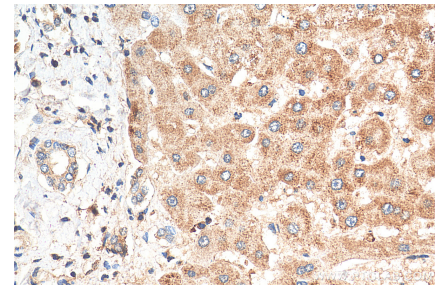
## Selected Validation Data



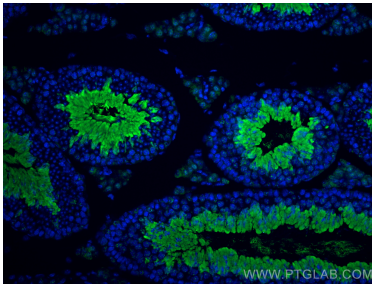
Various lysates were subjected to SDS PAGE followed by western blot with 29885-1-AP (MGC33407/ACTL9 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 29885-1-PBS in a different storage buffer formulation.



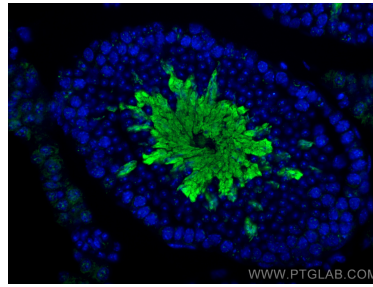
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 29885-1-AP (MGC33407/ACTL9 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29885-1-PBS in a different storage buffer formulation.



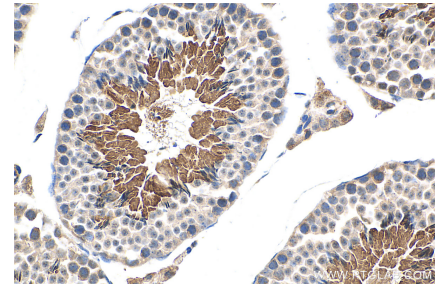
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 29885-1-AP (MGC33407/ACTL9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29885-1-PBS in a different storage buffer formulation.



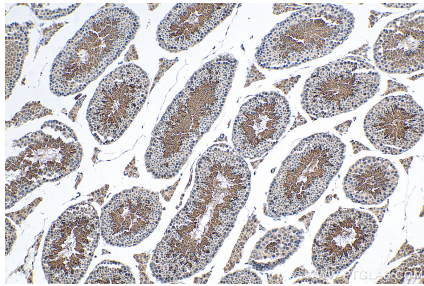
Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using MGC33407/ACTL9 antibody (29885-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 29885-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 29885-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 29885-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 29885-1-PBS in a different storage buffer formulation.