For Research Use Only

ACTL9 Polyclonal antibody, PBS Only

Catalog Number:29885-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
29885-1-PBS

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

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.

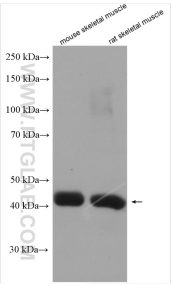
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

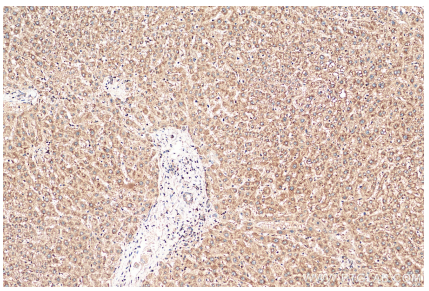
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

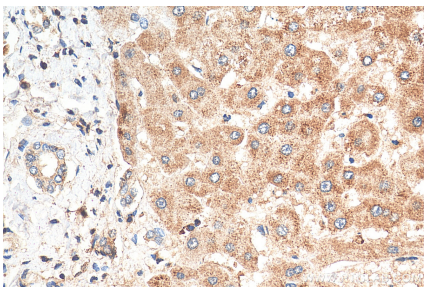
Selected Validation Data



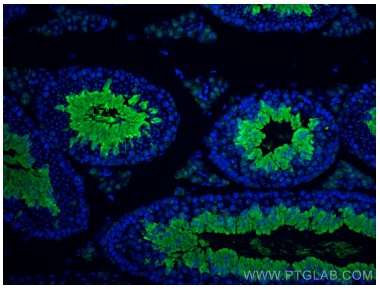
Various lysates were subjected to SDS PAGE followed by western blot with 29885-1-AP (MGC33407/ACTL9 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 29885-1-PBS in a different storage buffer formulation.



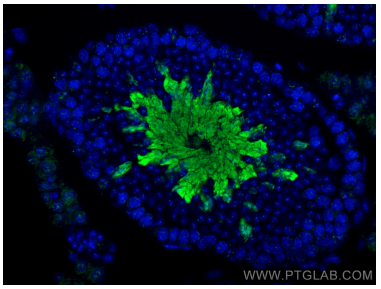
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 29885-1-AP (MGC33407/ACTL9 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29885-1-PBS in a different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



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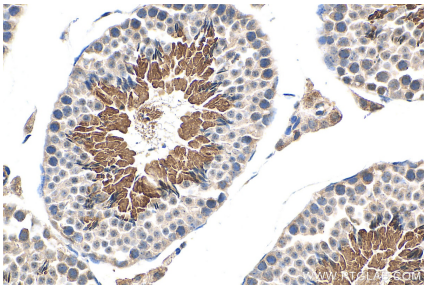
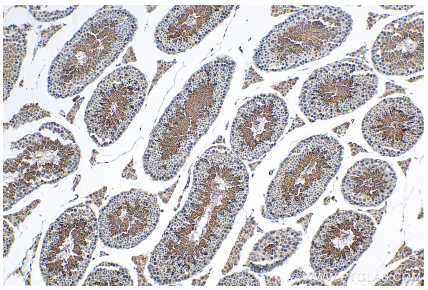


Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 29885-1-AP (MGC33407/ACTL9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29885-1-PBS in a different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