

For Research Use Only

# ACTL7B Polyclonal antibody

Catalog Number: 13537-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 13537-1-AP	<b>GenBank Accession Number:</b> BC033789	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10880	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> actin-like 7B	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 415 aa, 45 kDa	
<b>Immunogen Catalog Number:</b> AG4460	<b>Observed MW:</b> 45 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> human testis tissue, human liver tissue, mouse testis tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human prostate cancer tissue,
<b>Cited Species:</b> human, mouse	

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

## Background Information

ACTL7B is also named as actin-like-7-beta. The protein encoded by this gene is a member of a family of actin-related proteins (ARPs) which share significant amino acid sequence identity to conventional actins. The ARPs are involved in diverse cellular processes, including vesicular transport, spindle orientation, nuclear migration and chromatin remodeling. The ACTL7B gene is expressed predominantly in the testis, however, its exact function is not known. Diseases associated with ACTL7B include Dysautonomia and Hypertensive Nephropathy. An important paralog of this gene is ACTL7A. ACTL7B can be detected as 45 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Gina E Merges	37800308	Development	WB
Brian P Hermann	30404016	Cell Rep	

## Storage

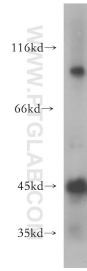
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

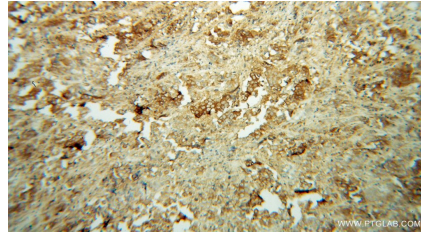
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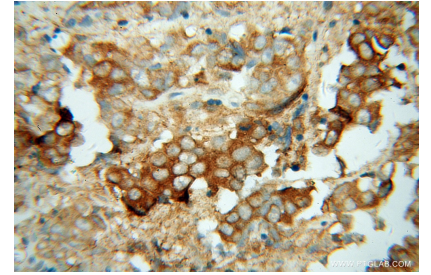
## Selected Validation Data



human testis tissue were subjected to SDS PAGE followed by western blot with 13537-1-AP (ACTL7B antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 13537-1-AP (ACTL7B antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 13537-1-AP (ACTL7B antibody) at dilution of 1:100 (under 40x lens).