

For Research Use Only

# TRIM37 Polyclonal antibody

Catalog Number: 13037-1-AP

Featured Product

6 Publications



## Basic Information

<b>Catalog Number:</b> 13037-1-AP	<b>GenBank Accession Number:</b> BC036012	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 650 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4591	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> tripartite motif-containing 37	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 964 aa, 108 kDa	
<b>Immunogen Catalog Number:</b> AG3690	<b>Observed MW:</b> 130 kDa	

## Applications

**Tested Applications:**  
IF, IHC, IP, WB, ELISA

**Cited Applications:**  
IF, IHC, IP, WB

**Species Specificity:**  
human, mouse

**Cited Species:**  
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**

**Positive Controls:**

**WB:** mouse brain tissue, MCF-7 cells, rat brain tissue

**IP:** mouse brain tissue,

**IHC:** mouse testis tissue, human breast cancer tissue

**IF:** MCF-7 cells, U-87 MG cells

## Background Information

TRIM37 (tripartite motif containing 37) is a member of the tripartite motif (RING, B-Box, and coiled-coil domains) family. Its gene mutations result in mulibrey nanism, which is a rare, autosomal-recessive growth disorder of prenatal onset, with characteristic dysmorphic features, pericardial constriction, and hepatomegaly. TRIM37 is located on chromosome 17q23, encoding a protein with an estimated molecular weight of 130 kDa or 89kDa. (PMID: 28098873, PMID: 29940807, PMID: 14757854)

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuzhen Ge	36252649	Exp Cell Res	WB,IHC,IP
Chong Han	31301768	Biochem Biophys Res Commun	WB,IP
Wangpeng Gu	37528081	Cell Discov	WB,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

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

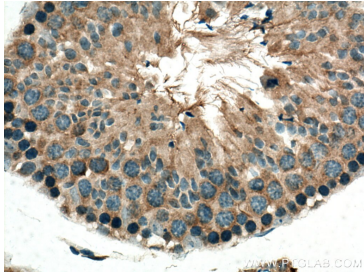
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

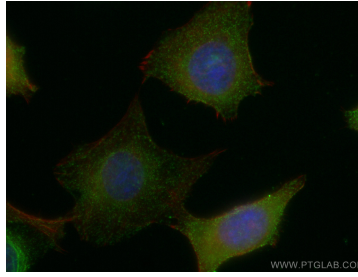
E: proteintech@ptglab.com  
W: ptglab.com

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

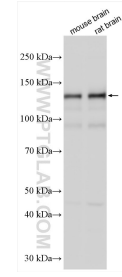
## Selected Validation Data



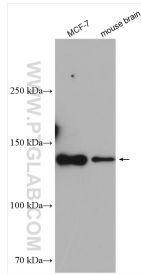
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 13037-1-AP (TRIM37 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



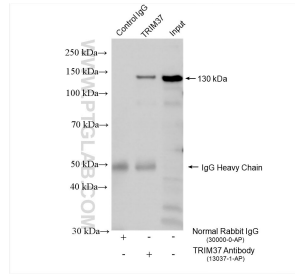
Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using TRIM37 antibody (13037-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Various lysates were subjected to SDS PAGE followed by western blot with 13037-1-AP (TRIM37 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 13037-1-AP (TRIM37 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-TRIM37 (IP:13037-1-AP, 4ug; Detection:13037-1-AP 1:800) with mouse brain tissue lysate 1800 ug.



Immunofluorescent analysis of (4% PFA) fixed U-87 MG cells using TRIM37 antibody (13037-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).