

For Research Use Only

TRIM37 Polyclonal antibody

Catalog Number: 13037-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

13037-1-AP

Size:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3690

GenBank Accession Number:

BC036012

GeneID (NCBI):

4591

UNIPROT ID:

O94972

Full Name:

tripartite motif-containing 37

Calculated MW:

964 aa, 108 kDa

Observed MW:

130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

Cited Applications:

WB, IP, IF, IHC

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

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

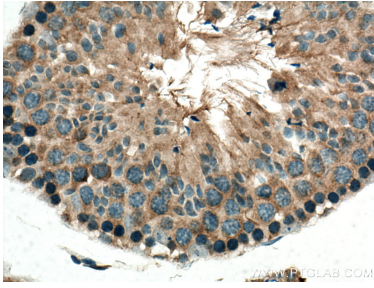
T: 4006900926

E: Proteintech-CN@ptglab.com

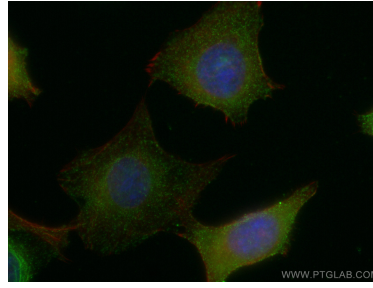
W: ptgcn.com

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

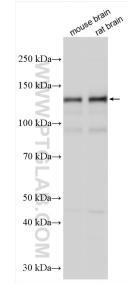
Selected Validation Data



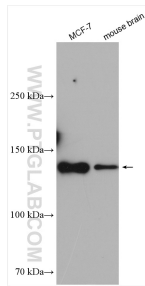
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 13037-1-AP (TRIM37 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



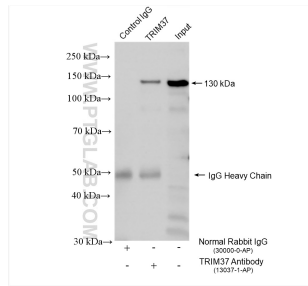
Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using TRIM37 antibody (13037-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



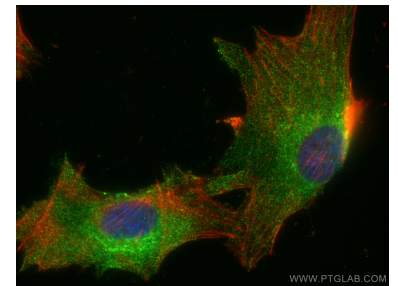
Various lysates were subjected to SDS PAGE followed by western blot with 13037-1-AP (TRIM37 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



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).