

TRIM37 Polyclonal antibody

Catalog Number: 13037-1-AP

Featured Product

8 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/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse

Cited Species:

human, mouse, monkey

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/ICC : 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
Kening Zhou	39349439	Cell Death Discov	WB,IHC

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

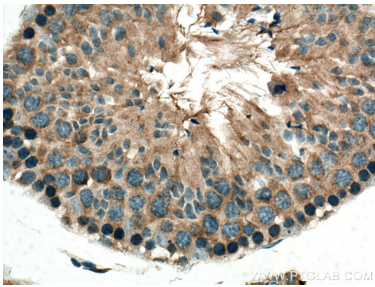
For technical support and original validation data for this product please contact:

T: 4006900926

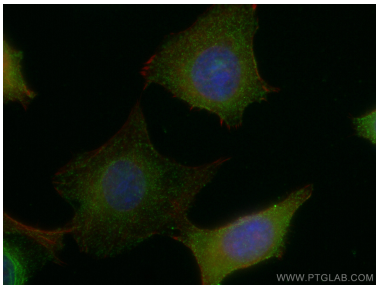
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

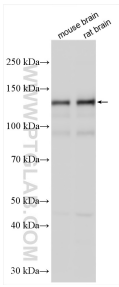
Selected Validation Data



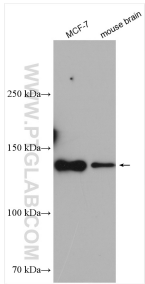
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 13037-1-AP (TRIM37 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



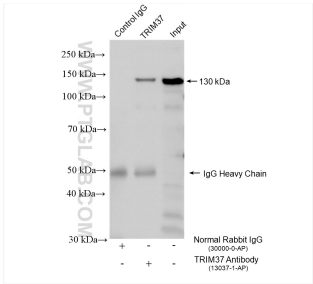
Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using TRIM37 antibody (13037-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



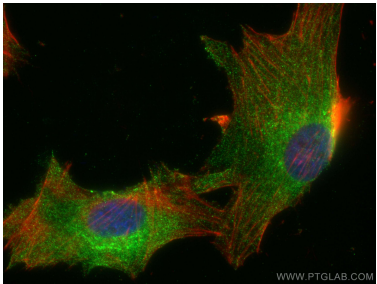
Various lysates were subjected to SDS PAGE followed by western blot with 13037-1-AP (TRIM37 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



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 Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).