

For Research Use Only

UBR5 Monoclonal antibody

Catalog Number: 66937-1-Ig

Featured Product

5 Publications



Basic Information

Catalog Number:

66937-1-Ig

Size:

2300 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG18753

GenBank Accession Number:

BC137234

GeneID (NCBI):

51366

UNIPROT ID:

O95071

Full Name:

ubiquitin protein ligase E3 component n-recogin 5

Calculated MW:

2799 aa, 309 kDa

Observed MW:

309 kDa

Purification Method:

Protein G purification

CloneNo.:

2E7A6

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB, IF, IHC, CoIP

Species Specificity:

Human, mouse, rat

Cited Species:

human, Ae. aegypti

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: MCF-7 cells, HeLa cells, PC-12 cells, HEK-293 cells, Jurkat cells, Neuro-2a cells

IHC: mouse testis tissue, mouse brain tissue, rat testis tissue, rat brain tissue

Background Information

UBR5, also named as ubiquitin protein ligase E3 component n-reconin5, is a HECT domain-containing protein as a myocardin-binding protein. UBR5 is highly conserved in metazoans, has unique structural features, and has been implicated in regulation of DNA damage response, metabolism, transcription, and apoptosis. Hence, UBR5 is a key regulator of cell signaling relevant to broad areas of cancer biology (PMID: 26464214). The human UBR5 gene has 59 exons, encoding an approximately 10kb mRNA and >300 kDa protein with widespread expression in various cell types.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------------|-----------|----------------|-------------|
| Jing Zhang | 35569519 | Exp Eye Res | WB,IF |
| Rommel J Gestuveo | 33986255 | Nat Commun | WB |
| Yanli Zhang | 33483464 | Cell Death Dis | 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:

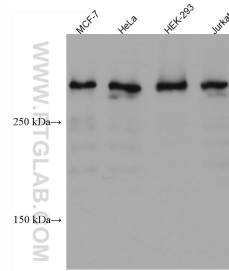
T: 4006900926

E: Proteintech-CN@ptglab.com

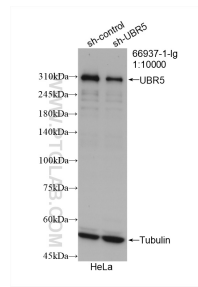
W: ptgcn.com

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

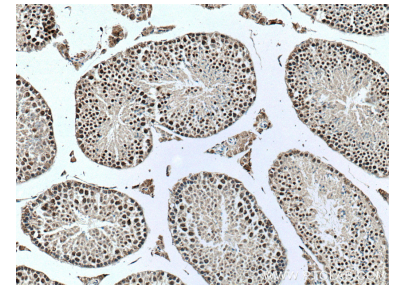
Selected Validation Data



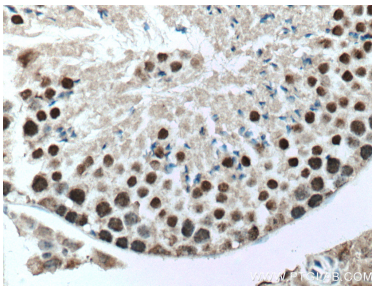
Various lysates were subjected to SDS PAGE followed by western blot with 66937-1-Ig (UBR5 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



WB result of UBR5 antibody (66937-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-UBR5 transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 66937-1-Ig (UBR5 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 66937-1-Ig (UBR5 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).