

For Research Use Only

UBR5 Monoclonal antibody

Catalog Number: 66937-1-Ig

Featured Product

8 Publications



Basic Information

Catalog Number:

66937-1-Ig

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:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF, CoIP

Species Specificity:

Human, mouse, rat

Cited Species:

human, mouse, 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 Gestuevo	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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

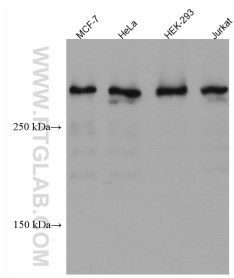
T: 4006900926

E: Proteintech-CN@ptglab.com

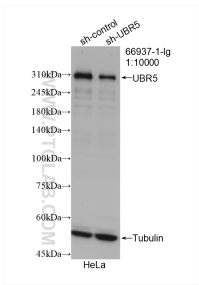
W: ptgcn.com

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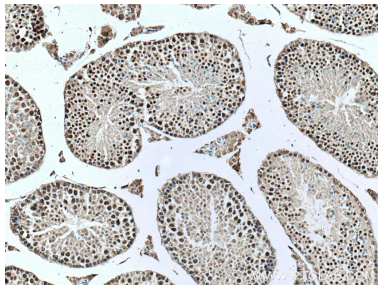
Selected Validation Data



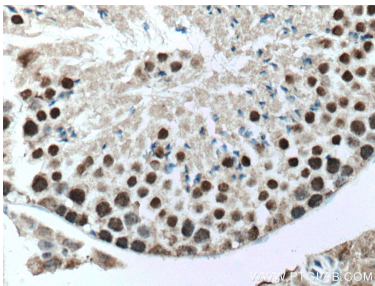
Various lysates were subjected to SDS PAGE followed by western blot with 66937-1-Ig (UBR5 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



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).