

For Research Use Only

# UBR5 Monoclonal antibody

Catalog Number: 66937-1-Ig

Featured Product

6 Publications



## Basic Information

Catalog Number:

66937-1-Ig

Size:

150ul, Concentration: 2300 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

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, IF, IHC, ColP

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 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

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

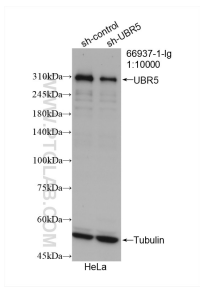
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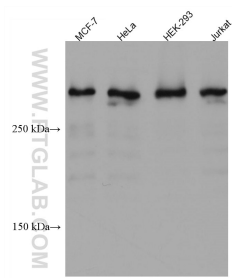
E: proteintech@ptglab.com  
W: ptglab.com

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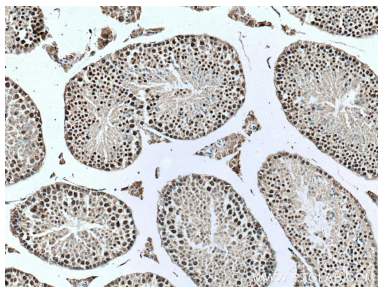
Selected Validation Data



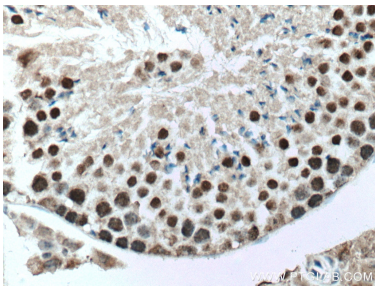
WB result of UBR5 antibody (66937-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-UBR5 transfected HeLa cells.



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.



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).