

For Research Use Only

UBR5 Monoclonal antibody

Catalog Number: 66937-1-Ig

Featured Product

3 Publications



Basic Information

Catalog Number: 66937-1-Ig	GenBank Accession Number: BC137234	Purification Method: Protein G purification
Size: 150ul, Concentration: 2300 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51366	CloneNo.: 2E7A6
Source: Mouse	Full Name: ubiquitin protein ligase E3 component n-reconin 5	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000
Isotype: IgG1	Calculated MW: 2799 aa, 309 kDa	
Immunogen Catalog Number: AG18753	Observed MW: 309 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

Human, mouse, rat

Cited Species:

Ae. aegypti, human

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, PC-12 cells, HeLa 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

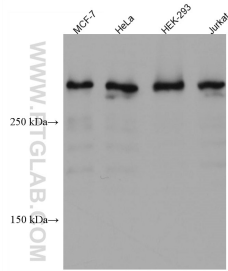
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

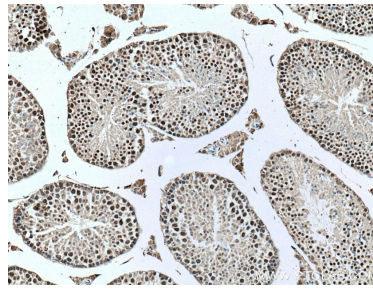
E: proteintech@ptglab.com
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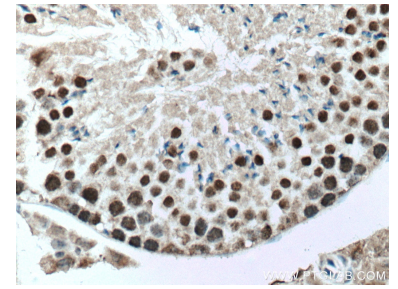
Selected Validation Data



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.



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).