

For Research Use Only

# IQUB Recombinant antibody

Catalog Number: 83847-5-RR



## Basic Information

<b>Catalog Number:</b> 83847-5-RR	<b>GenBank Accession Number:</b> BC128181	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 154865	<b>CloneNo.:</b> 240957A11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8NA54	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> IQ motif and ubiquitin domain containing	
<b>Immunogen Catalog Number:</b> AG19507	<b>Calculated MW:</b> 791 aa, 93 kDa	
	<b>Observed MW:</b> 70 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : mouse testis tissue,
<b>Species Specificity:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

IQUB (IQ motif and ubiquitin domain containing) was discovered in 2002,4 which was located on chromosome 7q31.32 and its encoded protein mainly contained 2 domains, ubiquitin-like domain and IQ domain. IQUB had apparently higher expression in breast cancer than that in normal tissues, suggesting that it may act an important role in the occurrence and development of breast cancer (PMID: 29968965). IQUB is a critical RS1 adaptor in mouse sperm flagella, and is critical for sperm motility and fertilization (PMID: 36417862).

## Storage

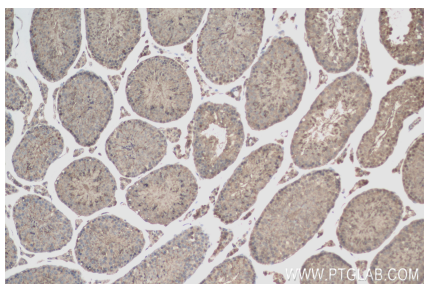
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

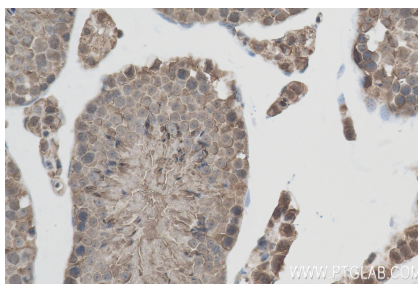
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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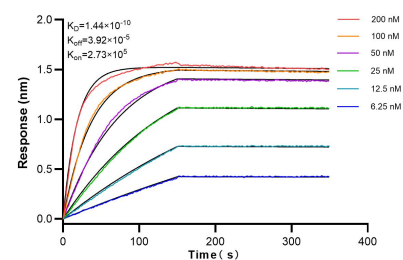
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 83847-5-RR (IQUB antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 83847-5-RR (IQUB antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 83847-5-RR against Human IQUB were performed. The affinity constant is 0.144 nM.