

IQUB Recombinant antibody

Catalog Number: 83847-5-RR

Basic Information

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

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse testis tissue,
Species Specificity: human, mouse	

Note-IHC: suggested antigen retrieval with *TE buffer pH 9.0*; (*) Alternatively, antigen retrieval may be performed with *citrate buffer pH 6.0*

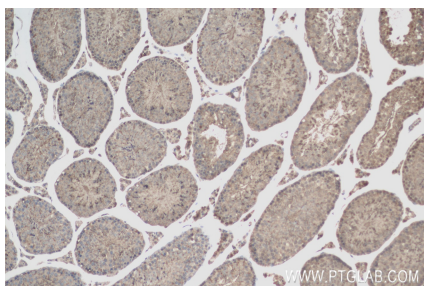
Background Information

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).

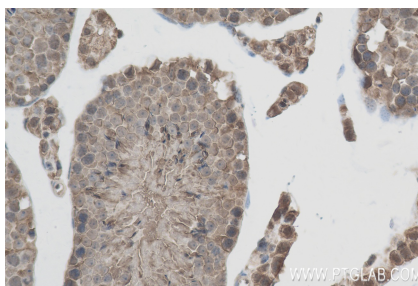
Storage

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

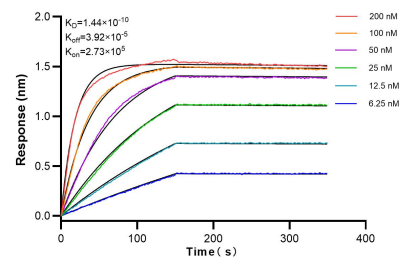
Selected Validation Data



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.