

For Research Use Only

IQUB Polyclonal antibody

Catalog Number: 25605-1-AP



Basic Information

Catalog Number:

25605-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19507

GenBank Accession Number:

BC128181

GeneID (NCBI):

154865

UNIPROT ID:

Q8NA54

Full Name:

IQ motif and ubiquitin domain containing

Calculated MW:

791 aa, 93 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500

Applications

Tested Applications:

IHC, IP, ELISA

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

Positive Controls:

IP: mouse spleen tissue, mouse testis tissue

IHC: mouse testis tissue,

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

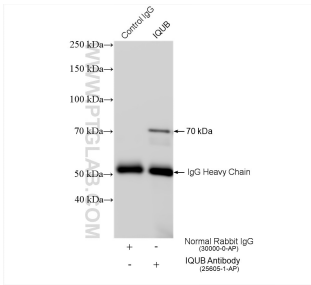
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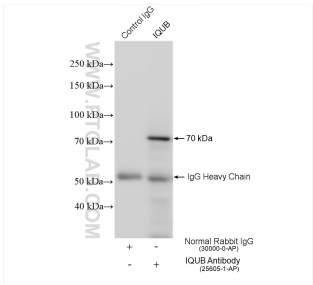
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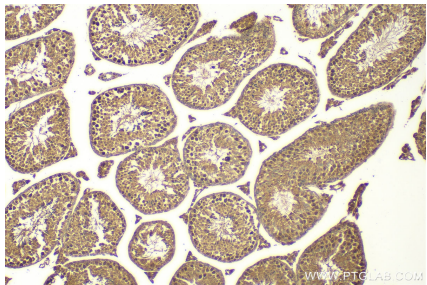
Selected Validation Data



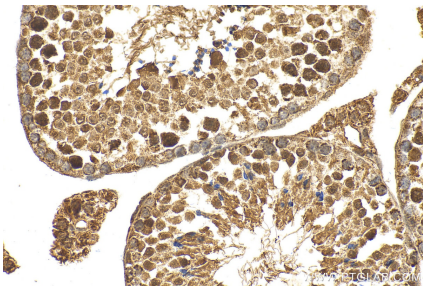
IP result of anti-IQUB (IP:25605-1-AP, 4ug; Detection:25605-1-AP 1:500) with mouse testis tissue lysate 1120 ug.



IP result of anti-IQUB (IP:25605-1-AP, 4ug; Detection:25605-1-AP 1:500) with mouse spleen tissue lysate 1920 ug.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 25605-1-AP (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 25605-1-AP (IQUB antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).