

For Research Use Only

IQCG Polyclonal antibody

Catalog Number: 33459-1-AP



Basic Information

Catalog Number: 33459-1-AP	GenBank Accession Number: BC004816	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 550 ug/ml by Nanodrop;	GeneID (NCBI): 84223	Recommended Dilutions: WB: 1:1000-1:4000
Source: Rabbit	UNIPROT ID: Q9H095	
Isotype: IgG	Full Name: IQ motif containing G	
Immunogen Catalog Number: AG37506	Calculated MW: 51 kDa	
	Observed MW: 50 kDa	

Applications

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

Background Information

Human IQ motif containing G (IQCG) gene was first reported to be involved in the chromosome translocation in a case of acute T-lymphoid/myeloid leukemia. The expression of Iqcg is prominently enriched in the testis of mice and reveals an ordered expression pattern during spermatogenesis. Iqcg knockout (KO) mice are sterile, due to the severe malformation and total immobility of their spermatozoa. The axoneme in the KO sperm flagellum is disorganized and hardly any typical normal "9+2" pattern, composed of two central microtubules surrounded by nine microtubular doublets, could be found in the KO spermatids. However, the cilia structures in the trachea and oviduct, as well as histological appearances of other major tissues, remain unaffected in the KO mice, suggesting Iqcg's specific role in spermiogenesis (PMID: 24849454).

Storage

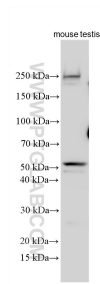
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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



Various lysates were subjected to SDS PAGE followed by western blot with 33459-1-AP (IQCG antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.