

For Research Use Only

SEPT12 Polyclonal antibody

Catalog Number: 13707-1-AP



Basic Information

Catalog Number:

13707-1-AP

Concentration:

350 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4644

GenBank Accession Number:

BC035619

GeneID (NCBI):

124404

UNIPROT ID:

Q8IYM1

Full Name:

septin 12

Calculated MW:

358 aa, 41 kDa

Observed MW:

41 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse brain tissue, mouse testis tissue, rat brain tissue

Background Information

SEPT12, also known as Septin 12, SPGF10, is a member of the Septin GTPase family. The Septin family is a group of evolutionarily conserved GTP-binding proteins involved in various cellular processes. SEPT12 is a cytoskeletal GTPase that is specifically enriched in the testis. It plays a critical role in spermatogenesis, particularly in the formation and maintenance of sperm tail structures. Mutations or downregulation of SEPT12 have been linked to male infertility due to defects in sperm morphology and function (PMID: 30513371).

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

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

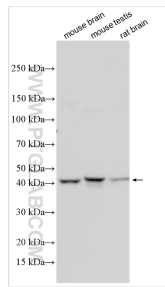
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13707-1-AP (SEPT12 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.