

For Research Use Only

SEPT12 Polyclonal antibody, PBS Only

Catalog Number:13707-1-PBS



Basic Information

Catalog Number:

13707-1-PBS

Size:

100ug , Concentration: 1mg/ml by
Nanodrop;

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

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

Storage Buffer:

PBS Only

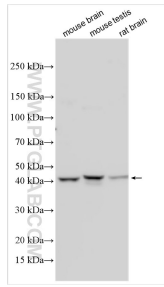
For technical support and original validation data for this product please contact:

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



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. This data was developed using the same antibody clone with 13707-1-PBS in a different storage buffer formulation.