

For Research Use Only

CT55 Polyclonal antibody, PBS Only

Catalog Number: 32040-1-PBS



Basic Information

Catalog Number:

32040-1-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36155

GenBank Accession Number:

BC020662

GeneID (NCBI):

54967

UNIPROT ID:

Q8WUE5

Full Name:

chromosome X open reading frame 48

Observed MW:

30 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

The Cancer/Testis Antigen (CTA) genes comprise a group of genes whose expression under physiological conditions is restricted to the testis but is activated in many human cancers. CT55 is a new autophagic manipulator to regulate spermatogenesis via selectively interacting with LAMP2 and GABARAP (which are key regulators in the autophagy process) and further fine-tuning their expression. Cancer-testis antigen 55 (CT55) mutation induced male infertility with extreme disruption in sperm production, morphology, and locomotion (PubMed:36481789).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

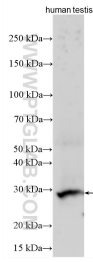
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32040-1-AP (CXorf48 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 32040-1-PBS in a different storage buffer formulation.