

For Research Use Only

# CT55 Polyclonal antibody

Catalog Number: 32040-1-AP



## Basic Information

<b>Catalog Number:</b> 32040-1-AP	<b>GenBank Accession Number:</b> BC020662	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 570 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54967	<b>Recommended Dilutions:</b> WB: 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8WUE5	
<b>Isotype:</b> IgG	<b>Full Name:</b> chromosome X open reading frame 48	
<b>Immunogen Catalog Number:</b> AG36155	<b>Observed MW:</b> 30 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : human testis tissue,
<b>Species Specificity:</b> 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

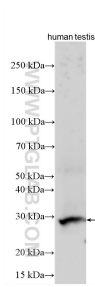
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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 32040-1-AP (C.Xorf48 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.