

For Research Use Only

# C1orf112 Polyclonal antibody, PBS Only

Catalog Number: 27863-1-PBS



## Basic Information

Catalog Number:

27863-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27316

GenBank Accession Number:

BC107168

GeneID (NCBI):

55732

UNIPROT ID:

Q9NSG2

Full Name:

chromosome 1 open reading frame

112

Calculated MW:

853 aa, 97 kDa

Observed MW:

98 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

## Background Information

FIRRM (Fanconi anemia pathway and RAD51-mediated DNA repair regulator, also known as C1orf112 or FLIP) is an evolutionarily conserved protein involved in DNA damage repair and homologous recombination. It ensures DNA cross-link (ICL) repair and genomic stability by regulating RAD51 activity. FIRRM expression is upregulated in a variety of tumors and correlates with poor prognosis. Its dysfunction leads to increased genomic instability, as evidenced by enhanced DNA damage signaling, chromosomal abnormalities, and micronucleus formation. The study of FIRRM is important for understanding the mechanisms of tumorigenesis and developing new therapeutic strategies.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

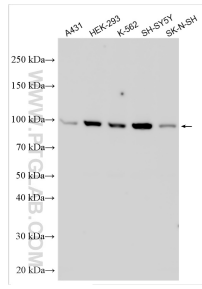
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27863-1-AP (C1orf112 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27863-1-PBS in a different storage buffer formulation.