

C1orf112 Polyclonal antibody

Catalog Number: 27863-1-AP

Basic Information

Catalog Number:

27863-1-AP

Concentration:

650 ug/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

Recommended Dilutions:

WB 1:1000-1:8000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : A431 cells, HEK-293 cells, K-562 cells, SH-SY5Y cells, SK-N-SH cells

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:

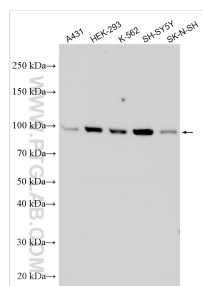
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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.