

For Research Use Only

RESF1 Polyclonal antibody

Catalog Number: 33680-1-AP

Featured Product



Basic Information

Catalog Number:

33680-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG38168

GenBank Accession Number:

BC140819

GeneID (NCBI):

55196

UNIPROT ID:

Q9HCM1

Full Name:

chromosome 12 open reading frame
35

Calculated MW:

1747 aa, 195 kDa

Observed MW:

240-250 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : Caco-2 cells, K-562 cells, HUVEC cells

Background Information

RESF1 (Retroelement Silencing Factor 1, also known as C12orf35 or KIAA1551) is a nuclear protein that primarily mediates the epigenetic silencing of endogenous retroviruses (ERVs) and imprinted genes by interacting with the SETDB1 histone methyltransferase, thereby maintaining H3K9me3 modifications and heterochromatin conformation. Recent studies have revealed that RESF1 exerts metastasis-suppressive functions in estrogen receptor-negative breast cancer. Additionally, RESF1 negatively regulates ribosomal biogenesis and global protein translation, serving as a multifunctional factor that links genome stability, stem cell pluripotency, and tumor suppression.

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

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

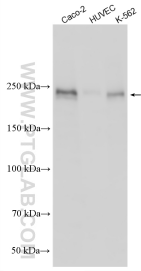
T: 4006900926

E: Proteintech-CN@ptglab.com

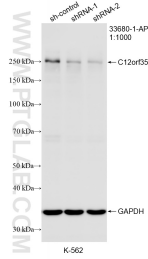
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33680-1-AP (C12orf35 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



WB result of C12orf35 antibody (33680-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-C12orf35 transfected K-562 cells.