

For Research Use Only

C12orf43 Polyclonal antibody

Catalog Number:33971-1-AP



Basic Information

Catalog Number:

33971-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG40576

GenBank Accession Number:

BC014661

GeneID (NCBI):

64897

UNIPROT ID:

Q96C57

Full Name:

chromosome 12 open reading frame

43

Observed MW:

37 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: A549 cells, LNCaP cells, ACHN cells, Calu-1 cells

Background Information

C12orf43 (also known as CUSTOS) is a nuclear-localized protein. It is predicted to be involved in the formation of the Spemann organizer, a key process in embryonic development, and acts as a negative regulator of the Wnt signaling pathway. Studies have shown that C12orf43 is differentially expressed in various tumors, and its high expression in liver cancer and lung cancer is significantly associated with poor patient prognosis, establishing it as an unfavorable prognostic marker. Additionally, C12orf43 has been found to be associated with neurodegenerative diseases, autoimmune disorders, and other conditions.

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:

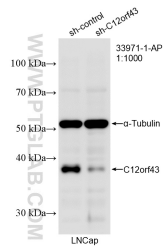
T: 4006900926

E: Proteintech-CN@ptglab.com

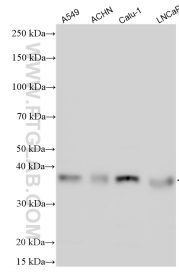
W: ptgcn.com

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Selected Validation Data



WB result of C12orf43 antibody (33971-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-C12orf43 transfected LNCaP cells.



Various lysates were subjected to SDS PAGE followed by western blot with 33971-1-AP (C12orf43 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.