

For Research Use Only

# C12orf43 Polyclonal antibody, PBS Only

Catalog Number: 33971-1-PBS



## Basic Information

|                                             |                                                             |                                                              |
|---------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|
| <b>Catalog Number:</b><br>33971-1-PBS       | <b>GenBank Accession Number:</b><br>BC014661                | <b>Purification Method:</b><br>Antigen affinity Purification |
| <b>Source:</b><br>Rabbit                    | <b>GeneID (NCBI):</b><br>64897                              |                                                              |
| <b>Isotype:</b><br>IgG                      | <b>UNIPROT ID:</b><br>Q96C57                                |                                                              |
| <b>Immunogen Catalog Number:</b><br>AG40576 | <b>Full Name:</b><br>chromosome 12 open reading frame<br>43 |                                                              |
|                                             | <b>Observed MW:</b><br>37 kDa                               |                                                              |

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## 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 -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:

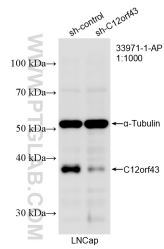
T: 4006900926

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

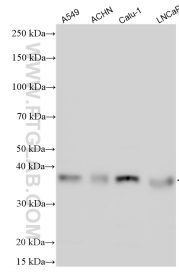
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



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. This data was developed using the same antibody clone with 33971-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 33971-1-PBS in a different storage buffer formulation.