

For Research Use Only

# HOXC13 Polyclonal antibody

Catalog Number: 27002-1-AP



## Basic Information

|   |  |  |
|---|--|--|
| <b>Catalog Number:</b><br>27002-1-AP        | <b>GenBank Accession Number:</b><br>BC090850 | <b>Purification Method:</b><br>Antigen affinity purification           |
| <b>Size:</b><br>450 ug/ml                   | <b>GeneID (NCBI):</b><br>3229                | <b>Recommended Dilutions:</b><br>WB 1:500-1:2000<br>IF/ICC 1:200-1:800 |
| <b>Source:</b><br>Rabbit                    | <b>UNIPROT ID:</b><br>P31276                 |  |
| <b>Isotype:</b><br>IgG                      | <b>Full Name:</b><br>homeobox C13            |  |
| <b>Immunogen Catalog Number:</b><br>AG25544 | <b>Calculated MW:</b><br>35 kDa, 330 aa      |  |
|   | <b>Observed MW:</b><br>38 kDa                |  |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>WB, IF/ICC, ELISA | <b>Positive Controls:</b><br>WB : HeLa cells, NCCIT cells |
| <b>Species Specificity:</b><br>human             | <b>IF/ICC :</b> HeLa cells,                               |

## Background Information

HOXC13 is a member of HOX proteins. The HOX family includes 39 paralogous proteins expressed from the HOXA, HOXB, HOXC, and HOXD gene clusters, and these function early in embryonic development to establish cell and tissue identity and to regulate cell proliferation, differentiation, and survival (PMID: 30974835). Human HOXC13, which is expressed in the hair follicle and nail matrix, is involved in the regulation of keratin gene expression (PMID: 11714694). Mutations in human HOXC13 cause ectodermal dysplasia 9, a severe defect of hair and nails (PMID: 23063621).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

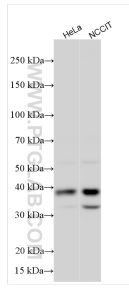
T: 4006900926

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

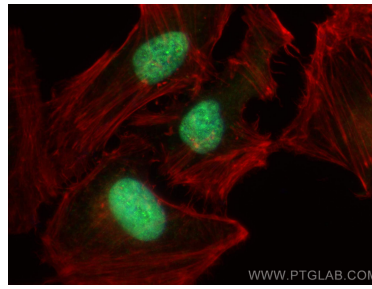
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27002-1-AP (HOXC13 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HOXC13 antibody (27002-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).