

For Research Use Only

# HOXC13 Polyclonal antibody

Catalog Number: 27002-1-AP



## Basic Information

Catalog Number:

27002-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25544

GenBank Accession Number:

BC090850

GeneID (NCBI):

3229

UNIPROT ID:

P31276

Full Name:

homeobox C13

Calculated MW:

35 kDa, 330 aa

Observed MW:

38 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, NCCIT cells

IF/ICC : 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

\*\*\* 20ul sizes contain 0.1% BSA

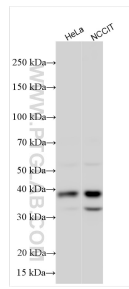
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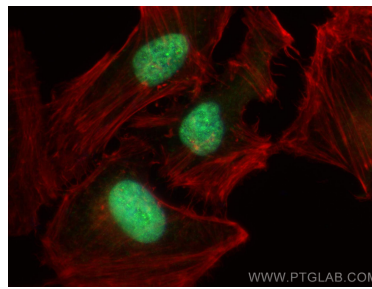
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## Selected Validation Data



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).