

For Research Use Only

HOXC4 Polyclonal antibody

Catalog Number: 14321-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

14321-1-AP

Size:

850 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5563

GenBank Accession Number:

BC050442

GeneID (NCBI):

3221

UNIPROT ID:

P09017

Full Name:

homeobox C4

Calculated MW:

30 kDa

Observed MW:

39 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, rat

Cited Species:

human

Positive Controls:

WB : Jurkat cells, PC-12 cells, U-251 cells

Background Information

The class I homeobox (HOX) family of homeodomain-containing transcription factors has 39 members in mammals. These genes are distributed throughout the genome in four clusters: HOXA (7p15), HOXB (17q21), HOXC (12q13), and HOXD (2q31). HOX genes are known to act as transcription factors, playing an essential regulatory role in the temporal and spatial development of the embryo. HOXC family members are not expressed in normal prostate tissue but increased expression of HOXC genes is commonly detected in prostate cancers. HOXC4 is expressed in GC B cells and HoxC4 expression is specifically up-regulated by the same stimuli that induce AID expression (LPS, CD154 and IL-4). The calculated molecular weight of HOXC4 is 30 kDa. Sometimes higher molecular weight around 39 kDa can also be observed, which may be a modified variant of HOXC4 (PMID: 23178148, 32012197, 35400027).

Notable Publications

Author	Pubmed ID	Journal	Application
Chao Liu	27689400	Oncotarget	WB

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:

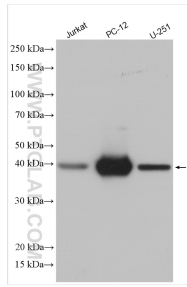
T: 4006900926

E: Proteintech-CN@ptglab.com

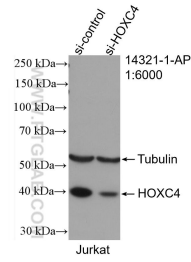
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14321-1-AP (HOXC4 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



WB result of HOXC4 antibody (14321-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HOXC4 transfected Jurkat cells.