

Datasheet for ABIN1537883
anti-HOXC10 antibody (AA 152-179)[Go to Product page](#)

2 Images

Overview

| | |
|----------------------|--|
| Quantity: | 400 µL |
| Target: | HOXC10 |
| Binding Specificity: | AA 152-179 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This HOXC10 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF) |

Product Details

| | |
|---------------|---|
| Immunogen: | This HOXC10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 152-179 amino acids from the Central region of human HOXC10. |
| Clone: | RB37164 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

| | |
|-------------------|---|
| Target: | HOXC10 |
| Alternative Name: | HOXC10 (HOXC10 Products) |
| Background: | This gene belongs to the homeobox family of genes. The homeobox genes encode a highly |

Target Details

conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, which are located on different chromosomes and consist of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXC genes located in a cluster on chromosome 12. The protein level is controlled during cell differentiation and proliferation, which may indicate this protein has a role in origin activation.

Molecular Weight: 38073

Gene ID: 3226

NCBI Accession: [NP_059105](#)

UniProt: [Q9NYD6](#)

Application Details

Application Notes: IF: 1:10~50. WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

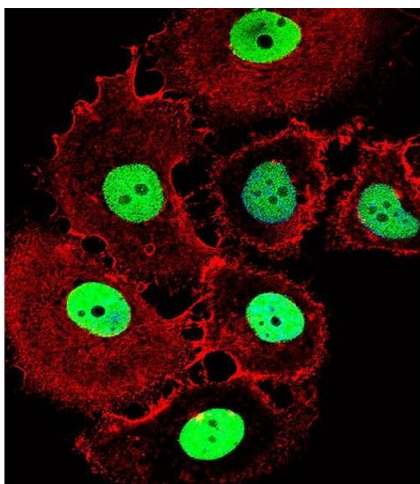
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

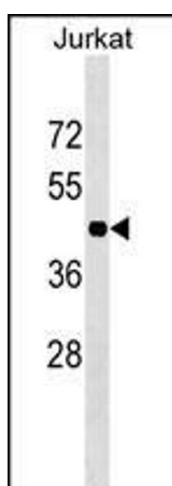
Storage Comment: HOXC10 Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.

Expiry Date: 6 months



Immunofluorescence

Image 1. Fluorescent confocal image of MCF-7 cell stained with HOXC10 Antibody (Center) (ABIN1537883 and ABIN2849158). MCF-7 cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with HOXC10 primary antibody (1:25, 1 h at 37 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). Nuclei were counterstained with DAPI (blue) (10 µg/mL, 10 min). HOXC10 immunoreactivity is localized to Nucleus significantly.



Western Blotting

Image 2. HOXC10 Antibody (Center) (ABIN1537883 and ABIN2849158) western blot analysis in Jurkat cell line lysates (35 µg/lane). This demonstrates the HOXC10 antibody detected the HOXC10 protein (arrow).