

# HOXD10 Rabbit Polyclonal Antibody



CAB7686

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

38kDa

### Calculated MW:

38kDa

### Applications:

WB IF

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

This gene is a member of the Abd-B homeobox family and encodes a protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox D genes located on chromosome 2. The encoded nuclear protein functions as a sequence-specific transcription factor that is expressed in the developing limb buds and is involved in differentiation and limb development. Mutations in this gene have been associated with Wilm's tumor and congenital vertical talus (also known as 'rocker-bottom foot' deformity or congenital convex pes valgus) and/or a foot deformity resembling that seen in Charcot-Marie-Tooth disease.

## Immunogen information

### Gene ID:

3236

### Uniprot

P28358

### Synonyms:

HOXD10; HOX4; HOX4D; HOX4E; Hox-4.4

### Immunogen:

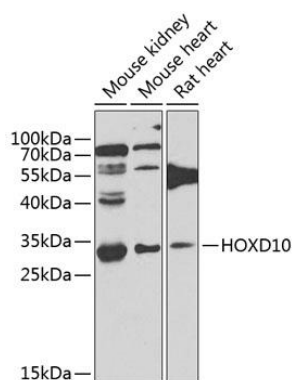
Recombinant fusion protein containing a sequence corresponding to amino acids 1-240 of human HOXD10 (NP\_002139.2).

### Storage:

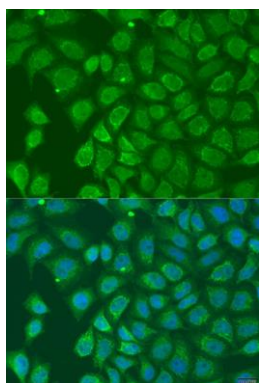
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Western blot analysis of extracts of various cell lines, using HOXD10 antibody (CAB7686) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Immunofluorescence analysis of U2OS cells using HOXD10 antibody (CAB7686) at dilution of 1:100. Blue: DAPI for nuclear staining.