

## Anti-HOXD12 antibody

<b>Cat. No.</b>	ml263021
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-HOXD12 rabbit polyclonal antibody
<b>Applications</b>	ELISA, IHC
<b>Immunogen</b>	Synthetic peptide of human HOXD12
<b>Reactivity</b>	Human, Mouse
<b>Content</b>	0.3 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	HOXD12
<b>Full name</b>	homeobox D12
<b>Synonyms</b>	HOX4H
<b>Swissprot</b>	P35452

### Target Background

This gene belongs to the homeobox family of genes. The homeobox genes encode a highly 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, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXD genes located in a cluster on chromosome 2. Deletions that remove the entire HOXD gene cluster or the 5' end of this cluster have been associated with severe limb and genital abnormalities. The exact role of this gene has not been determined.

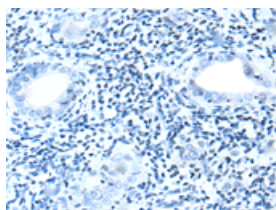
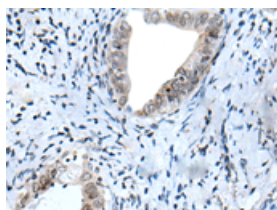
## Applications

### Immunohistochemistry

Predicted cell location: Nucleus

Positive control: Human cervical cancer

Recommended dilution: 20-100

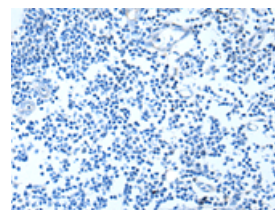
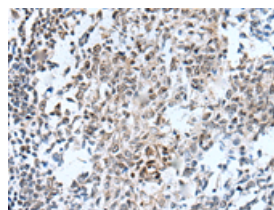


The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ml263021(HOXD12 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

Predicted cell location: Nucleus

Positive control: Human tonsil

Recommended dilution: 20-100



The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using ml263021(HOXD12 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

### ELISA

Recommended dilution: 5000-10000

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