

Product datasheet for **TA371832**

HOXC4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Jurkat and 293T cell lysates IHC: 10-50 Positive control: Human esophagus cancer Predicted cell location: Nucleus
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human HOXC4
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	30 kDa
Gene Name:	homeobox C4
Database Link:	Entrez Gene 3221 Human P09017



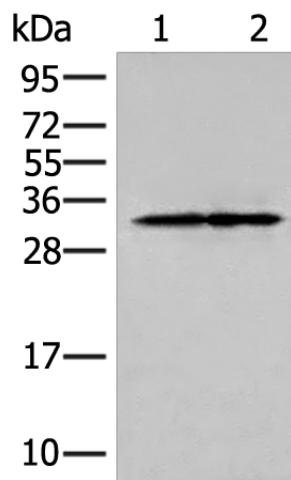
[View online »](#)

Background:

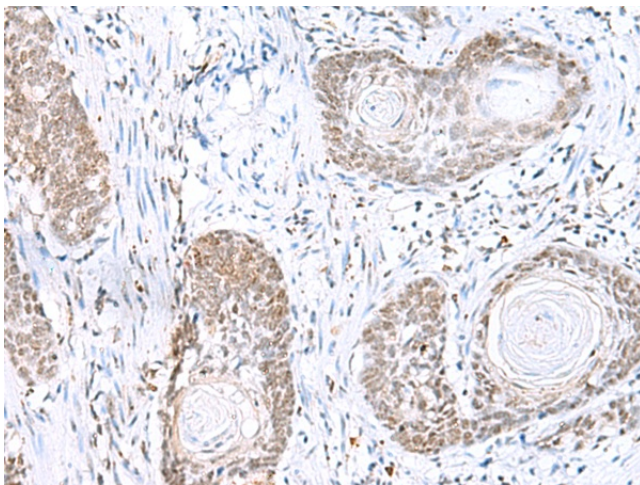
This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, which are located on different chromosomes and consist of 9 to 11 genes arranged in tandem. This gene, HOXC4, is one of several homeobox HOXC genes located in a cluster on chromosome 12. Three genes, HOXC5, HOXC4 and HOXC6, share a 5' non-coding exon. Transcripts may include the shared exon spliced to the gene-specific exons, or they may include only the gene-specific exons. Two alternatively spliced variants that encode the same protein have been described for HOXC4. Transcript variant one includes the shared exon, and transcript variant two includes only gene-specific exons.

Synonyms:

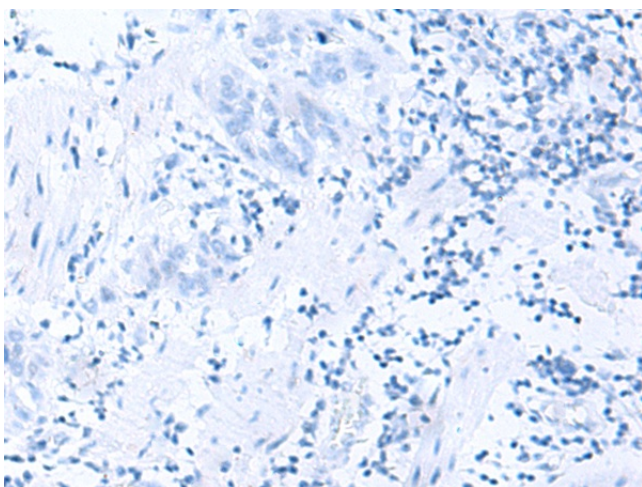
CP19; Hox-3E; HOX3; HOX3E

Product images:

Gel: 12%SDS-PAGE
Lysate: 40 µg
Lane 1-2: Jurkat and 293T cell lysates
Primary antibody: TA371832 (HOXC4 Antibody) at dilution 1/250
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 1 minute



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA371832 (HOXC4 Antibody) at dilution 1/20 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA371832 (HOXC4 Antibody) at dilution 1/20, treated with synthetic peptide. (Original magnification: $\times 200$)