

HOXC4 Antibody

Catalog No: #43943

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

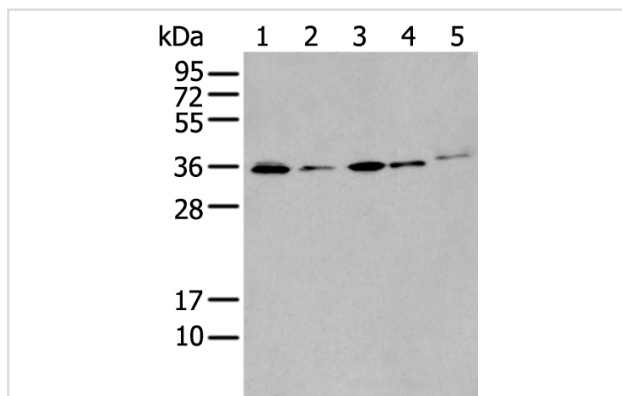
Product Name	HOXC4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total HOXC4 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human HOXC4
Target Name	HOXC4
Other Names	HOX3; cp19; HOX3E
Accession No.	Swiss-Prot#: P09017NCBI Gene ID: 3221
Uniprot	P09017
GeneID	3221;
Calculated MW	30kd
Concentration	0.6mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:200-1000

Immunohistochemistry: 1: 20-100

Images



Gel: 12%SDS-PAGE

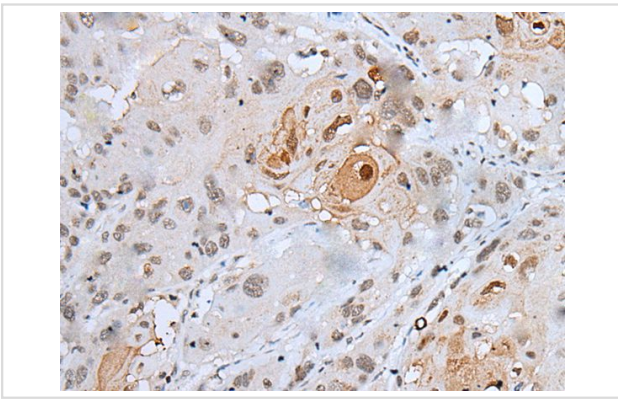
Lysate: 40 µg, Lane 1-5:

293T, K562, Jurkat, HeLa and NIH/3T3 cell lysates,

Primary antibody: HOXC4 antibody at dilution 1/200 dilution,

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution,

Exposure time: 30 seconds



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using HOXC4 Antibody at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x200)

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.

Note: This product is for in vitro research use only