

Product datasheet for **TA371903S**

HOXD3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000–5000 WB positive control: K562, Raji, A549, Hela, Jurkat cell lysates IHC: 50–100 Positive control: Human esophagus cancer Predicted cell location: Nucleus
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human HOXD3
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:	46 kDa
Gene Name:	homeobox D3
Database Link:	Entrez Gene 3232 Human P31249



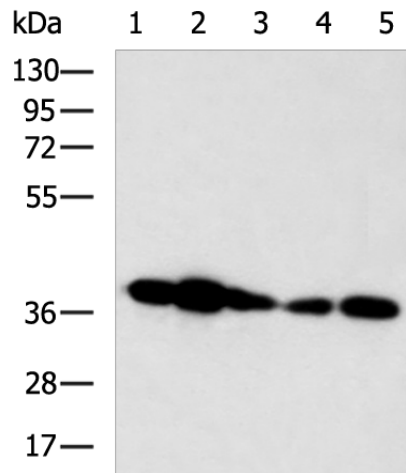
Background:

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 at 2q31-2q37 chromosome regions. Deletions that removed the entire HOXD gene cluster or 5' end of this cluster have been associated with severe limb and genital abnormalities. The protein encoded by this gene may play a role in the regulation of cell adhesion processes.

Synonyms:

Hox-4.1; Hox-4A; HOXD; HOX4; HOX4A; MGC10470; OTTHUMP00000205235

Product images:



Gel: 8%SDS-PAGE

Lysate: 40 µg

Lane 1-5: K562

Raji

A549

Hela

Jurkat cell lysates

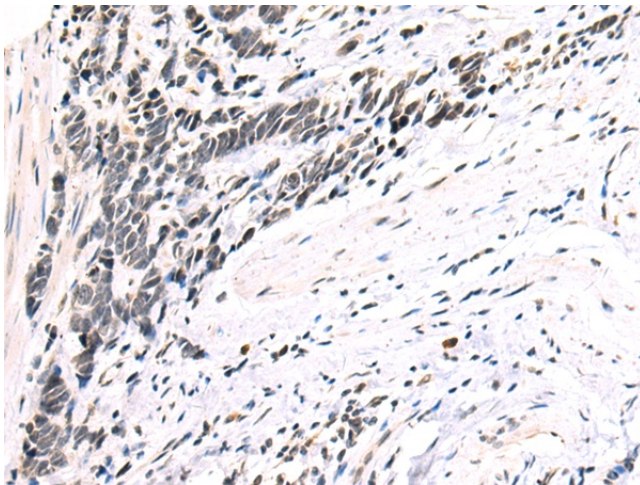
Primary antibody: [TA371903] (HOXD3

Antibody) at dilution 1/1000

Secondary antibody: Goat anti rabbit IgG at

1/5000 dilution

Exposure time: 1 minute

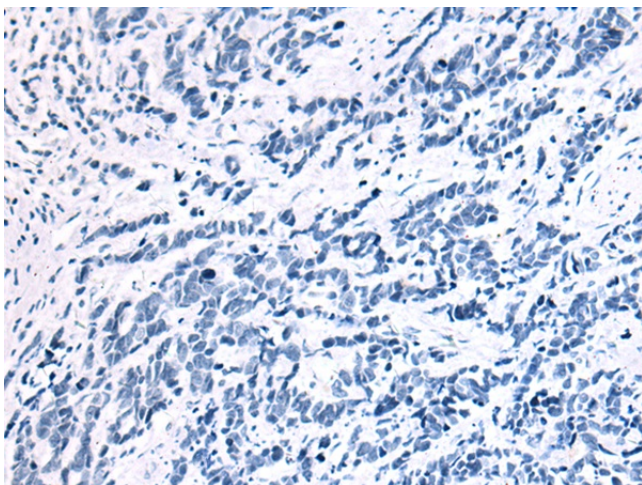


Immunohistochemistry of paraffin-

embedded Human esophagus cancer tissue

using [TA371903] (HOXD3 Antibody) at dilution

1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA371903] (HOXD3 Antibody) at dilution 1/50, treated with synthetic peptide. (Original magnification: $\times 200$)