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Product datasheet for CF800777

HOXD10 Mouse Monoclonal Antibody [Clone ID: OTI1D11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1D11
Applications:	IHC, WB
Recommended Dilution:	WB 1:500, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 80-340 of human HOXD10 (NP_002139) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	38.2 kDa
Gene Name:	Homo sapiens homeobox D10 (HOXD10), mRNA.
Database Link:	NP_002139 Entrez Gene 15430 MouseEntrez Gene 303991 RatEntrez Gene 3236 Human P28358

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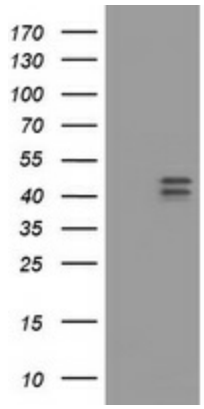
Background: This gene is a member of the Abd-B homeobox family and encodes a protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox D genes located on chromosome 2. The encoded nuclear protein functions as a sequence-specific transcription factor that is expressed in the 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. [provided by RefSeq, Jul

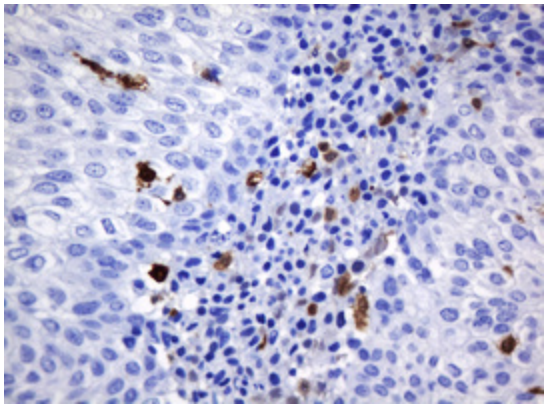
Synonyms: Hox-4.4; HOX4; HOX4D; HOX4E

Protein Families: Druggable Genome, Transcription Factors

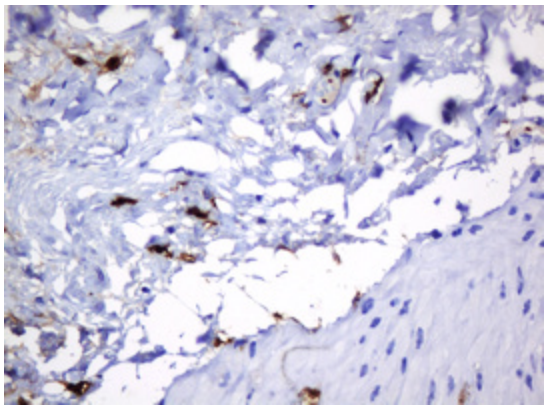
Product images:



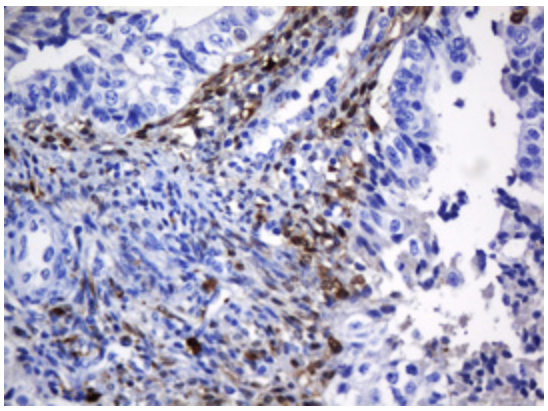
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY HOXD10 (Cat# [RC210208], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HOXD10(Cat# [TA800777]). Positive lysates [LY419501] (100ug) and [LC419501] (20ug) can be purchased separately from OriGene.



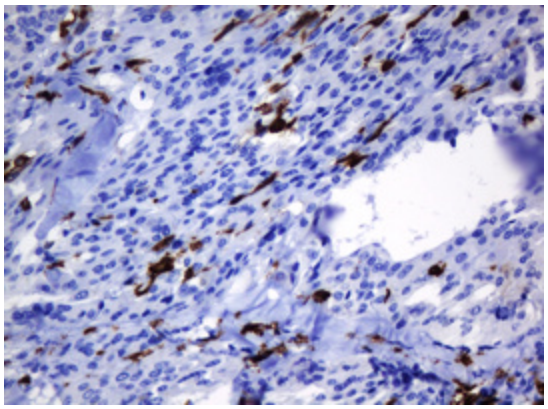
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-HOXD10 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA800777])



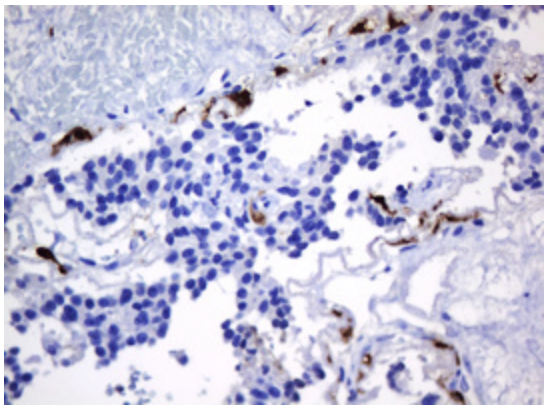
Immunohistochemical staining of paraffin-embedded Human bladder tissue within the normal limits using anti-HOXD10 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA800777])



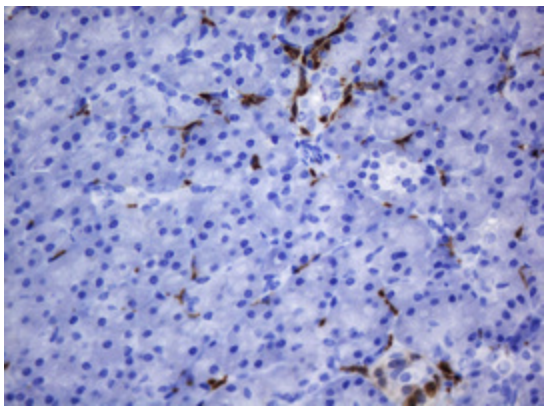
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-HOXD10 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA800777])



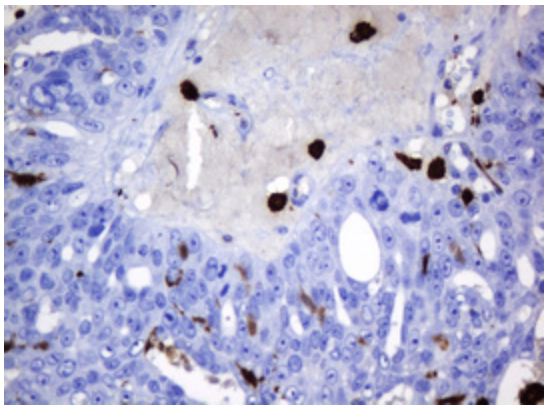
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-HOXD10 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA800777])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-HOXD10 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA800777])



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-HOXD10 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA800777])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-HOXD10 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA800777])