

For Research Use Only

HOXD3 Polyclonal antibody

Catalog Number: 10496-1-AP



Basic Information

Catalog Number: 10496-1-AP	GenBank Accession Number: BC005124	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop;	GeneID (NCBI): 3232	Recommended Dilutions: IHC 1:50-1:500 IF 1:200-1:800
Source: Rabbit	Full Name: homeobox D3	
Isotype: IgG	Calculated MW: 46 kDa	
Immunogen Catalog Number: AG0768		

Applications

Tested Applications: IF, IHC, ELISA	Positive Controls: IHC : mouse testis tissue, IF : U2OS cells,
Species Specificity: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Homeobox D3 (HOXD3), a member of the Homeobox (Hox) family of master transcription factors, is a homeobox transcription factor that promotes angiogenesis and collagen synthesis. HOXD3 is expressed during normal embryogenesis, skin development, and fetal wound healing (PMID: 14633614). The overexpression of HOXD3 plays a critical role in breast cancer stemness and drug resistance via integrin β3-mediated Wnt/β-catenin signaling (PMID: 29698974).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

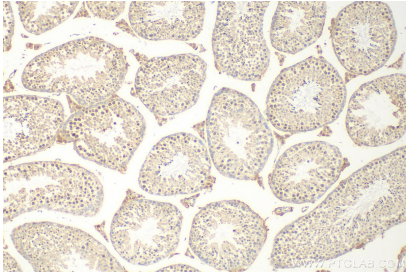
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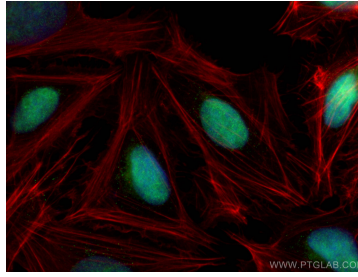
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 10496-1-AP (HOXD3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using HOXD3 antibody (10496-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).