

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 ug/ml by Nanodrop;	GeneID (NCBI): 3232	Recommended Dilutions: IHC 1:50-1:500 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: P31249	
Isotype: IgG	Full Name: homeobox D3	
Immunogen Catalog Number: AG0768	Calculated MW: 46 kDa	

Applications

Tested Applications: IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	IHC : mouse testis tissue, IF/ICC : U2OS cells,
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 β 3-mediated Wnt/ β -catenin signaling (PMID: 29698974).

Storage

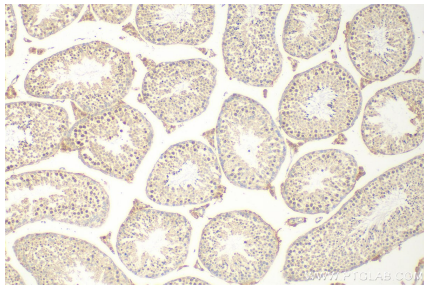
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

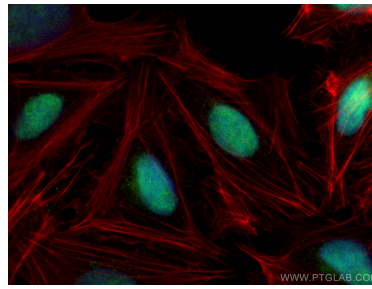
For technical support and original validation data for this product please contact:
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Selected Validation Data



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 Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).