

For Research Use Only

TBX3 Polyclonal antibody

Catalog Number: 16741-1-AP **7 Publications**



Basic Information

Catalog Number: 16741-1-AP	GenBank Accession Number: BC025258	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 6926	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: O15119	
Isotype: IgG	Full Name: T-box 3	
Immunogen Catalog Number: AG9955	Calculated MW: 79 kDa	
	Observed MW: 79 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : HepG2 cells, IP : human placenta tissue, IHC : human thyroid cancer tissue,
Cited Applications: WB, IHC	
Species Specificity: human, mouse	
Cited Species: human, marmoset	
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

TBX3, also named as T-box protein 3, is a 743 amino acid protein, which contains 1 T-box DNA-binding domain. TBX3 may localize in the nucleus and is widely expressed in various tissues. TBX3 as a transcriptional repressor is involved in developmental processes and probably plays a role in limb pattern formation. TBX3 plays an important role on osteogenic differentiation and proliferation of human mesenchymal stem cell derived from adipose tissue.

Notable Publications

Author	Pubmed ID	Journal	Application
Huilin Xie	30223900	Hum Genomics	IHC
Zhaoyu Lin	25196127	Genesis	WB
Peitao Zhang	35332119	Nat Commun	IHC

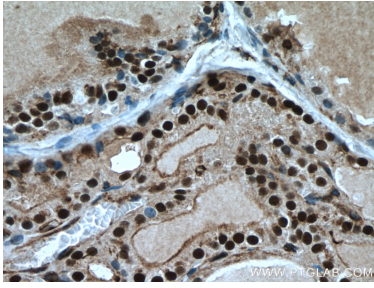
Storage

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

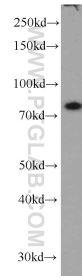
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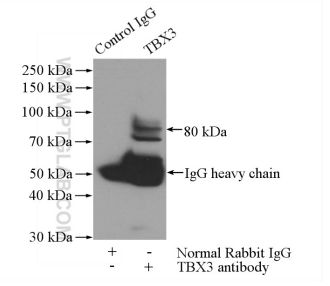
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 16741-1-AP (TBX3 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HepG2 cells were subjected to SDS PAGE followed by western blot with 16741-1-AP (TBX3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-TBX3 (IP:16741-1-AP, 4ug; Detection:16741-1-AP 1:500) with human placenta tissue lysate 1520ug.