

For Research Use Only

TBX3 Polyclonal antibody

Catalog Number: 16741-1-AP

8 Publications



Basic Information

Catalog Number:

16741-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9955

GenBank Accession Number:

BC025258

GeneID (NCBI):

6926

UNIPROT ID:

O15119

Full Name:

T-box 3

Calculated MW:

79 kDa

Observed MW:

79 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human, marmoset

Positive Controls:

WB : HepG2 cells,

IP : human placenta tissue,

IHC : human thyroid cancer tissue,

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

*** 20ul sizes contain 0.1% BSA

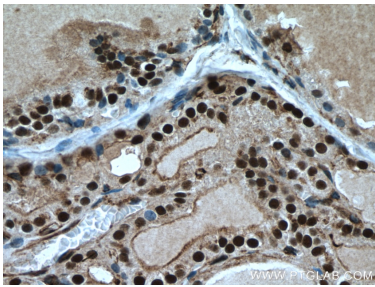
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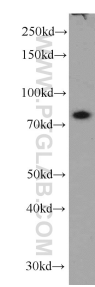
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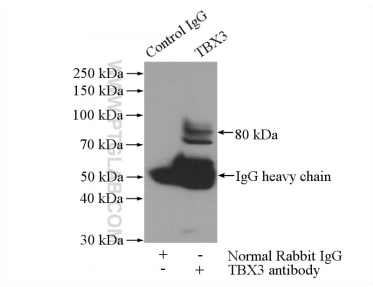
Selected Validation Data



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.