

For Research Use Only

TCF7 Polyclonal antibody

Catalog Number: 14464-1-AP

Featured Product

14 Publications



Basic Information

Catalog Number:

14464-1-AP

Size:

150ul, Concentration: 150 µg/ml by Nanodrop and 147 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5792

GenBank Accession Number:

BC048769

GeneID (NCBI):

6932

ENSEMBL Gene ID:

ENSG00000081059

UNIPROT ID:

P36402

Full Name:

transcription factor 7 (T-cell specific, HMG-box)

Calculated MW:

42 kDa

Observed MW:

43 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IP, IHC

Species Specificity:

human, mouse

Cited Species:

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

Positive Controls:

WB : mouse thymus tissue,

IHC : human tonsillitis tissue, human lymphoma tissue

Background Information

TCF7, also known as TCF1, belongs to the TCF/LEF family. TCF7 is part of the Wnt signaling pathway and plays an important role in the differentiation and self-renewal of memory T cells. It has been found that TCF7 is necessary to revive T cells in response to PD-1 blockade against viral infection or cancer. TCF7 is mainly expressed in T-cells and is also detected in proliferating intestinal epithelial cells and in the basal epithelial cells of mammary gland epithelium. TCF7 has 16 isoforms with the molecular mass of 28-54 kDa (PMID: 34044317).

Notable Publications

Author	Pubmed ID	Journal	Application
Huanjun Wang	34526362	Clin Cancer Res	WB,IHC
Qiang Shan	35882936	Nat Immunol	WB,IP
Liang Zhang	35864528	J Transl Med	WB

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

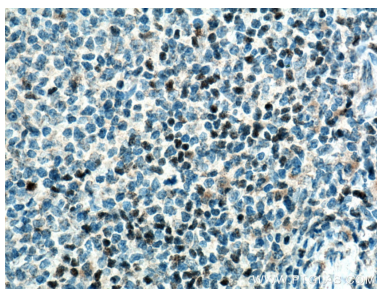
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

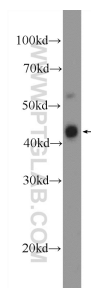
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 14464-1-AP (TCF7 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



mouse thymus tissue were subjected to SDS PAGE followed by western blot with 14464-1-AP (TCF7 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.