

For Research Use Only

TCF7 Polyclonal antibody

Catalog Number: 14464-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number: 14464-1-AP	GenBank Accession Number: BC048769	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 150 µg/ml by Nanodrop and 147 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6932	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	ENSEMBL Gene ID: ENSG00000081059	
Isotype: IgG	UNIPROT ID: P36402	
Immunogen Catalog Number: AG5792	Full Name: transcription factor 7 (T-cell specific, HMG-box)	
	Calculated MW: 42 kDa	
	Observed MW: 43 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : mouse thymus tissue, IHC : human tonsillitis tissue, human lymphoma tissue
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	

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

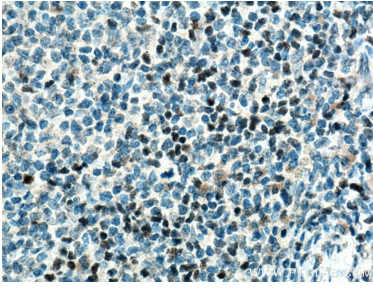
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

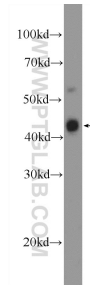
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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.