

For Research Use Only

TCF12/HEB Polyclonal antibody

Catalog Number: 14419-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number: 14419-1-AP	GenBank Accession Number: BC050556	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6938	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500
Source: Rabbit	Full Name: transcription factor 12	
Isotype: IgG	Calculated MW: 73 kDa	
Immunogen Catalog Number: AG5765	Observed MW: 73 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HepG2 cells, Raji cells IHC : human cervical cancer tissue,
Cited Applications: IF, IHC, WB	
Species Specificity: human, mouse, rat	
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

The product of TCF12 gene (TCF12, also called HTF4 or HEB) is a member of helix-loop-helix (HLH) protein family [PMID:22130667]. TCF12 is a transcriptional regulator that involved in the initiation of neuronal differentiation. It's also known as E proteins, and activates transcription by binding to the E box (5'-CANNTG-3'), because of their direct DNA (E-box) binding ability [PMID: 19204326]. TCF12 was shown to suppress E-cadherin expression during the early stages of renal tubular epithelial cell dedifferentiation [PMID:17202424].

Notable Publications

Author	Pubmed ID	Journal	Application
Sisu Han	30201687	Development	IF
Thorsen Kasper K	21999571	BMC Genomics	IHC
Liang Liu	36377508	CNS Neurosci Ther	WB

Storage

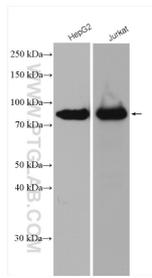
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

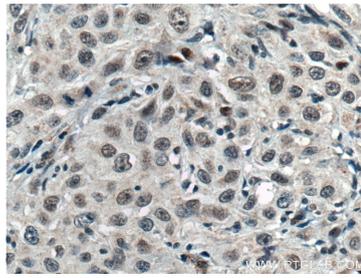
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 14419-1-AP (TCF12/HEB antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 14419-1-AP (TCF12/HEB antibody) at dilution of 1:100 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).