

For Research Use Only

TCF12 Monoclonal antibody

Catalog Number: 67523-1-Ig



Basic Information

Catalog Number: 67523-1-Ig	GenBank Accession Number: BC050556	Purification Method: Protein A purification
Size: 1900 µg/ml	GeneID (NCBI): 6938	CloneNo.: 1B8D4
Source: Mouse	UNIPROT ID: Q99081	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG2a	Full Name: transcription factor 12	
Immunogen Catalog Number: AG6287	Calculated MW: 73 kDa	
	Observed MW: 80 kDa	

Applications

Tested Applications: FC, WB, ELISA	Positive Controls: WB : A549 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells, HeLa cells, HEK-293 cells
Species Specificity: Human, mouse, rat	

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].

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

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

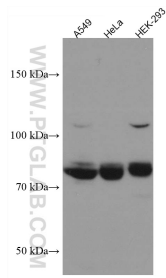
T: 4006900926

E: Proteintech-CN@ptglab.com

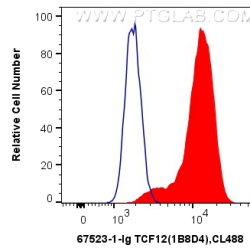
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67523-1-Ig (TCF12 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



1X10⁶ HepG2 cells were intracellularly stained with 0.5 ug Anti-Human TCF12 (67523-1-Ig, Clone:1B8D4) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Mouse IgG2b Isotype Control (66360-3-Ig, Clone: K11B8C4B5) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).