

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: 150ul , Concentration: 1900 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 6938 | CloneNo.: 1B8D4 |
| Source: Mouse | Full Name: transcription factor 12 | Recommended Dilutions: WB 1:1000-1:6000 |
| Isotype: IgG2a | Calculated MW: 73 kDa | |
| Immunogen Catalog Number: AG6287 | Observed MW: 80 kDa | |

Applications

Tested Applications:
FC, WB, ELISA

Species Specificity:
Human, mouse, rat

Positive Controls:
WB : A549 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells, HeLa cells, HEK-293 cells

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.

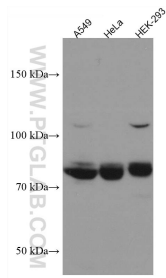
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

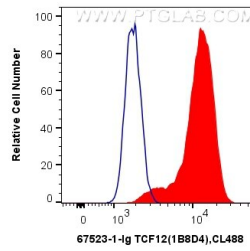
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



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).