

TCF12 Monoclonal antibody

Catalog Number: 67523-1-Ig

Basic Information

Catalog Number:

67523-1-Ig

Size:

1900 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG6287

GenBank Accession Number:

BC050556

GeneID (NCBI):

6938

UNIPROT ID:

Q99081

Full Name:

transcription factor 12

Calculated MW:

73 kDa

Observed MW:

80 kDa

Purification Method:

Protein A purification

CloneNo.:

1B8D4

Recommended Dilutions:

WB 1:1000-1:6000

Applications

Tested Applications:

WB, FC (Intra), 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

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

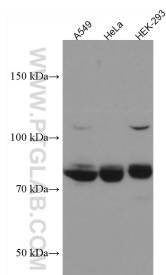
T: 4006900926

E: Proteintech-CN@ptglab.com

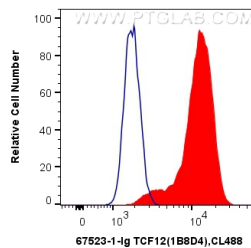
W: ptgcn.com

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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.



1×10^6 HepG2 cells were intracellularly stained with 0.5 μ g 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 μ g Mouse IgG2b Isotype Control (66360-3-Ig, Clone:K11B8C4B5) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).