

For Research Use Only

# TCF7L1 Recombinant antibody

Catalog Number:83588-3-RR



## Basic Information

Catalog Number:

83588-3-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34253

GenBank Accession Number:

BC058894

GeneID (NCBI):

83439

UNIPROT ID:

Q9HCS4

Full Name:

transcription factor 7-like 1 (T-cell specific, HMG-box)

Calculated MW:

63 kDa

Observed MW:

63 kDa, 75 kDa

Purification Method:

Protein A purification

CloneNo.:

240544F1

Recommended Dilutions:

WB 1:2000-1:10000

## Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : A431 cells, HeLa cells, HEK-293 cells, NCCIT cells, NIH/3T3 cells

## Background Information

TCF7L1 is one of TCF/LEF transcription factors that are mediators of the Wnt signaling pathway and are antagonized by the TGF-beta signaling pathway. It binds to DNA and acts as a repressor in the absence of CTNNB1, and as an activator in its presence. It's necessary for the terminal differentiation of epidermal cells, the formation of keratohyalin granules and the development of the barrier function of the epidermis

## 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:

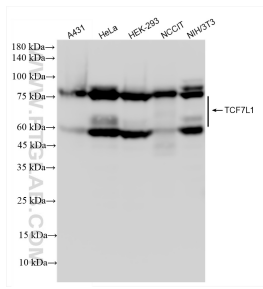
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

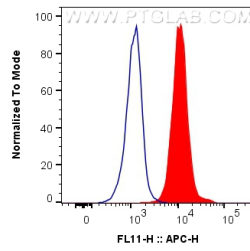
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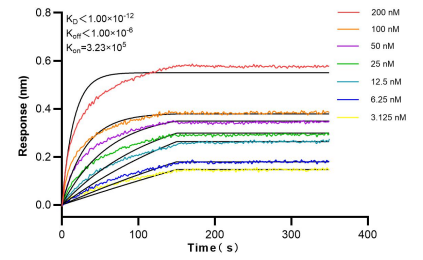
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83588-3-RR (TCF7L1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  A431 cells were intracellularly stained with 0.25  $\mu$ g TCF7L1 Recombinant antibody (83588-3-RR, Clone:240544F1) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25  $\mu$ g Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biolayer interferometry (BLI) kinetic assays of 83588-3-RR against Human TCF7L1 were performed. The affinity constant is below 1 pM.