

For Research Use Only

TCF7L1 Polyclonal antibody

Catalog Number: 14519-1-AP

11 Publications



Basic Information

Catalog Number:

14519-1-AP

Concentration:

450 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5983

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:

63-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, zebrafish

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A431 cells, mouse brain tissue, JAR cells, mouse liver tissue, rat liver tissue

IHC : human breast cancer tissue,

IF/ICC : U2OS 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

Notable Publications

Author	Pubmed ID	Journal	Application
Yu-Ching Wen	34799554	Oncogenesis	IHC
Kathleen Hübner	30451830	Nat Commun	IF
Zhi-yu Li	36302622	Korean J Physiol Pharmacol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

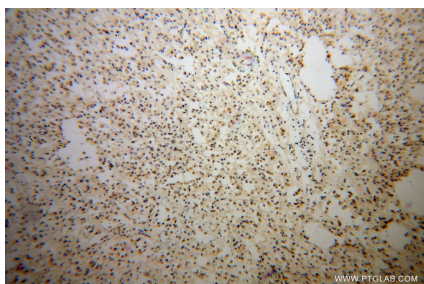
T: 4006900926

E: Proteintech-CN@ptglab.com

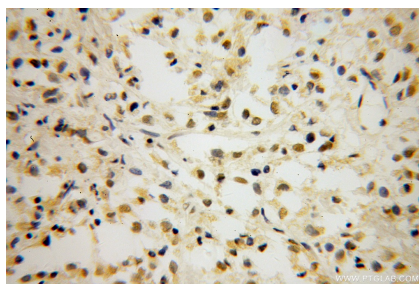
W: ptgcn.com

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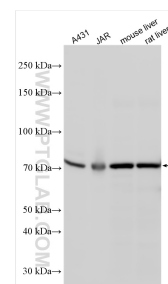
Selected Validation Data



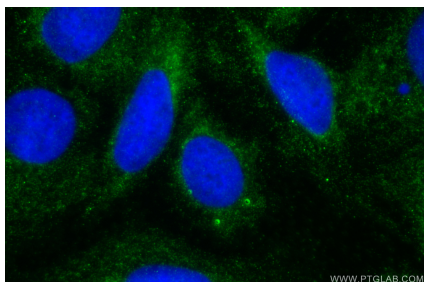
Immunohistochemical analysis of paraffin-embedded human breast cancer using 14519-1-AP (TCF7L1 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer using 14519-1-AP (TCF7L1 antibody) at dilution of 1:100 (under 40x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 14519-1-AP (TCF7L1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using TCF7L1 antibody (14519-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).