For Research Use Only

USF1 Polyclonal antibody

Catalog Number:22327-1-AP Featured Product 11 Publications

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Basic Information

Catalog Number:
22327-1-AP

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG17789

GenBank Accession Number:
BC035505

GeneID (NCBI):
7391

UNIPROT ID:
P22415

Full Name:
upstream transcription factor 1

Calculated MW:
34 kDa

Observed MW:
43 kDa

Purification Method:
Antigen Affinity purified

Recommended Dilutions:
WB: 1:1000-1:4000
IHC: 1:500-1:2000
IF/ICC: 1:20-1:200

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB, IHC, ChIP

Species Specificity:
human

Cited Species:
human, mouse

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 : HeLa cells, K-562 cells, Jurkat cells

IHC : human stomach cancer tissue,

IF/ICC : HeLa cells,

Background Information

Upstream stimulatory factor 1 (USF1),also name Class B basic helix-loop-helix protein 11. it is a major late transcription factor 1.USF1 is a member of the basic helix-loop-helix leucine zipper family, and can function as a cellular transcription factor. The encoded protein can activate transcription through pyrimidine-rich initiator (Inr) elements and E box motifs. USF1 has been linked to familial combined hyperlipidemia (FCHL). The USF1 exists two isoform and the calculated molecular weight of USF1 is a 32 kDa and 27 kDa. USF1 has acetylated form and phosphorylated form, so the molecular weight of USF1 can migrate to about 40 kDa

Notable Publications

Author	Pubmed ID	Journal	Application
Xiuhe Zou	34664331	J Oral Pathol Med	WB
Hao Zhang	33001025	Elife	WB
Beisi Xu	34429148	Genome Biol	WB

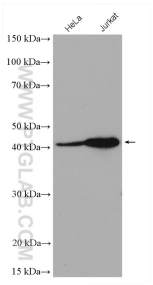
Storage

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

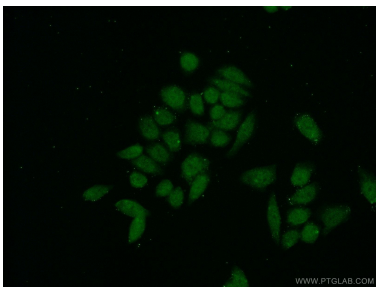
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

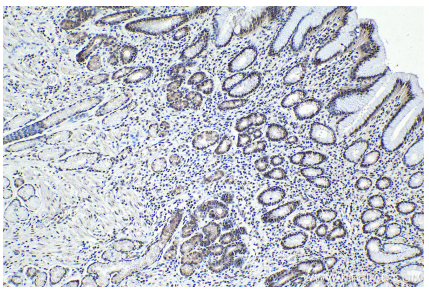
Selected Validation Data



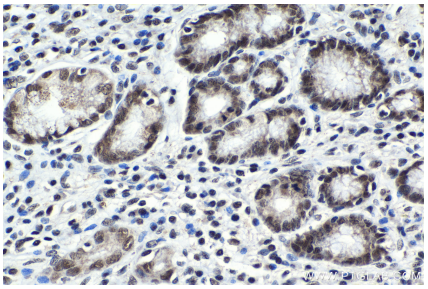
Various lysates were subjected to SDS PAGE followed by western blot with 22327-1-AP (USF1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



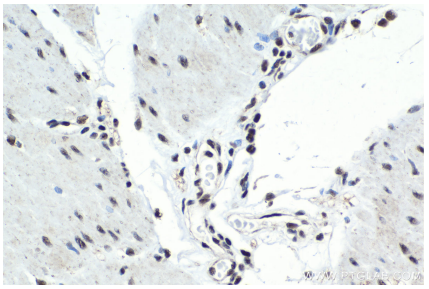
Immunofluorescent analysis of (-20℃ Ethanol) fixed HeLa cells using 22327-1-AP (USF1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 22327-1-AP (USF1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 22327-1-AP (USF1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 22327-1-AP (USF1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).