

For Research Use Only

USF1 Polyclonal antibody

Catalog Number: 22327-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number: 22327-1-AP	GenBank Accession Number: BC035505	Purification Method: Antigen Affinity purified
Size: 150ul , Concentration: 400 ug/ml by Nanodrop and 293 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7391	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:500-1:2000 IF/ICC 1:20-1:200
Source: Rabbit	UNIPROT ID: P22415	
Isotype: IgG	Full Name: upstream transcription factor 1	
Immunogen Catalog Number: AG17789	Calculated MW: 34 kDa	
	Observed MW: 43 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : HeLa cells, K-562 cells, Jurkat cells IHC : human stomach cancer tissue, IF/ICC : HeLa cells,
Cited Applications: WB	
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

Background Information

Upstream stimulatory factor 1 (USF1), also name Class B basic helix-loop-helix protein 11. It is a major late transcription factor. 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 an acetylated form and phosphorylated form, so the molecular weight of USF1 can migrate to about 40 kDa

Notable Publications

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

Storage

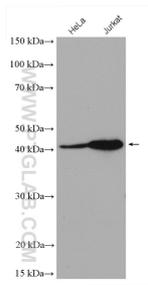
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

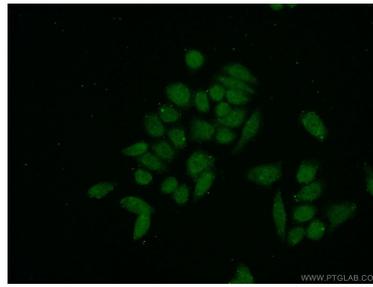
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

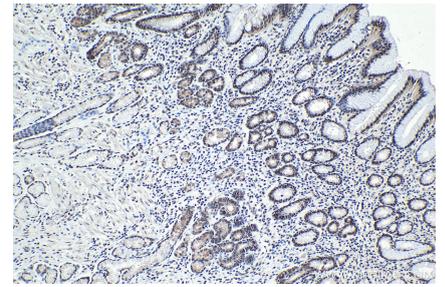
Selected Validation Data



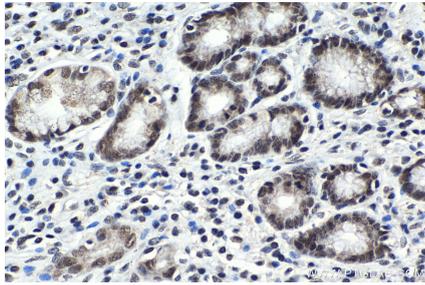
Various lysates were subjected to SDS PAGE followed by western blot with 22327-1-AP (USF1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



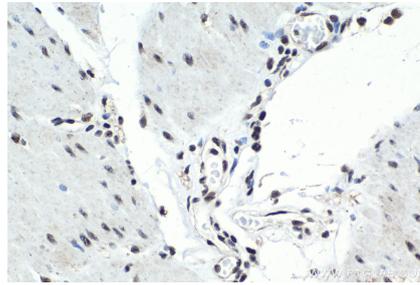
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 22327-1-AP (USF1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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).