

For Research Use Only

SF4 Polyclonal antibody

Catalog Number: 15614-1-AP



Basic Information

Catalog Number: 15614-1-AP	GenBank Accession Number: BC002986	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 57794	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: Q8IWZ8	IHC 1:20-1:200
Isotype: IgG	Full Name: splicing factor 4	IF/ICC 1:10-1:100
Immunogen Catalog Number: AG8006	Calculated MW: 72 kDa	
	Observed MW: 55 kDa, 72 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : HEK-293 cells, mouse testis tissue
Species Specificity: human, mouse, rat	IHC : human testis tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IF/ICC : HepG2 cells,

Background Information

SF4 (Splicing factor 4), also known as SUGP1 (SURP and G-patch domain-containing protein 1) was first identified as a putative splicing factor based on domain composition analysis. SUGP1 protein is predicted to contain two SURP motifs, domains of alternative splicing regulators thought to be involved in RNA binding, as well as a G-patch domain, a region of six highly conserved glycine residues commonly found in eukaryotic RNA-processing proteins (PMID: 27206982). Research has shown that SUGP1 is involved in the regulation of cholesterol metabolism (PMID: 31474574).

Storage

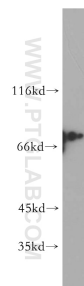
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

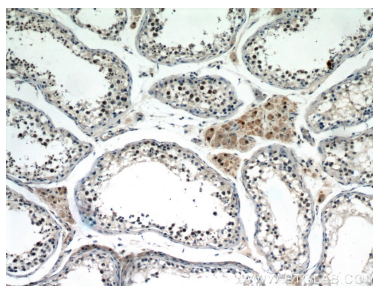
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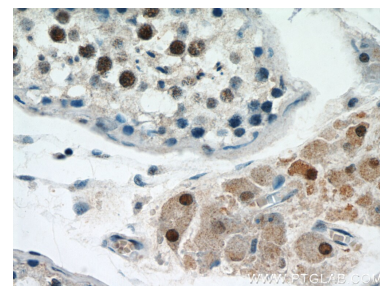
Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 15614-1-AP (SF4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis using 15614-1-AP (SF4 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis using 15614-1-AP (SF4 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of () fixed HepG2 cells using 15614-1-AP (SF4 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.