

## ST7 Polyclonal Antibody

Catalog number: 11945-1-AP

Size: 31 µg/150 µl

Source: Rabbit

Isotype: IgG

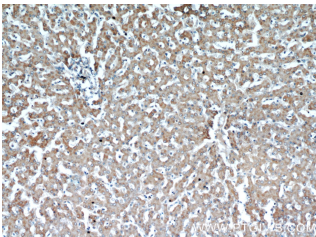
Synonyms:

ST7; DKFZp762O2113, ETS7q,

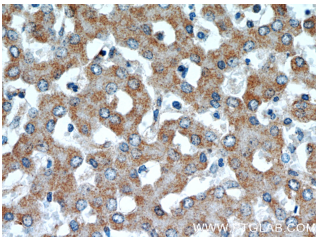
FAM4A, FAM4A1, HELG,

Protein FAM4A1, Protein

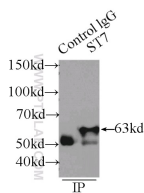
HELG, RAY1, SEN4, ST7, TSG7



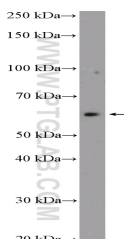
Immunohistochemical of paraffin-embedded human liver using 11945-1-AP(ST7 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human liver using 11945-1-AP(ST7 antibody) at dilution of 1:50 (under 40x lens)



IP Result of anti-ST7 (IP:11945-1-AP, 4ug; Detection:11945-1-AP 1:1500) with PC-3 cells lysate 2640ug.



mouse brain tissue were subjected to SDS PAGE

### Background

Human ST7 (suppressor of tumorigenicity 7) gene, also called FAM4A1, HELG or RAY1, maps to a region on chromosome 7 identified as an autism-susceptibility locus. ST7 has been proposed to be a tumor suppressor gene with highest expression in heart, liver and pancreas. The product of this gene is a multi-pass membrane protein belonging to the ST7 family, full-length ST7 cDNA has been cloned and verified in cancer cell lines, recent result suggests that ST7 may mediate tumor suppression through the regulation of the genes involved in maintaining the cellular structure of the cell and involved in oncogenic pathways.

### Applications

Tested applications:	ELISA, IHC, IP, WB
Cited applications:	WB
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Human
Calculated ST7 MW:	63 kDa
Observed ST7 MW:	63 kDa
Positive WB detected in	Mouse brain tissue, HeLa cells, human brain tissue, Jurkat cells, K-562 cells, PC-3 cells
Positive IP detected in	PC-3 cells
Positive IHC detected in	Human liver tissue, human heart tissue, human lymphoma tissue, human pancreas tissue
Recommended dilution:	WB: 1:1000-1:10000 IP: 1:500-1:5000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag2547
GenBank accession number:	BC030954
Gene ID (NCBI):	7982
Full name:	Suppression of tumorigenicity 7

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

followed by western blot with  
11945-1-AP( ST7 Antibody) at  
dilution of 1:2000