

ST7 Polyclonal antibody

Catalog Number: 11945-1-AP

1 Publications

Basic Information

Catalog Number:

11945-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2547

GenBank Accession Number:

BC030954

GeneID (NCBI):

7982

UNIPROT ID:

Q9NRC1

Full Name:

suppression of tumorigenicity 7

Calculated MW:

63 kDa

Observed MW:

63 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

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, mouse brain tissue, Jurkat cells, PC-3 cells

IHC : human liver cancer tissue, human pancreas tissue

Background Information

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Fengting Yan	24453002	Cancer Res	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

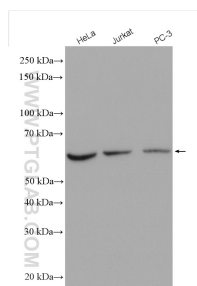
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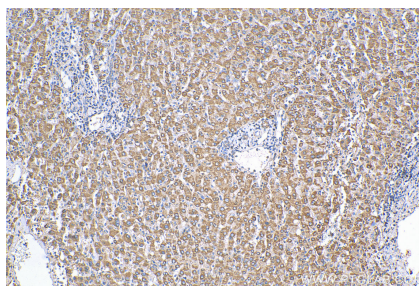
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11945-1-AP (ST7 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11945-1-AP (ST7 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).