

For Research Use Only

ST7 Polyclonal antibody

Catalog Number: 11945-1-AP **1 Publications**



Basic Information

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| Catalog Number: 11945-1-AP | GenBank Accession Number: BC030954 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 700 µg/ml by Nanodrop; | GeneID (NCBI): 7982 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 |
| Source: Rabbit | Full Name: suppression of tumorigenicity 7 | |
| Isotype: IgG | Calculated MW: 63 kDa | |
| Immunogen Catalog Number: AG2547 | Observed MW: 63 kDa | |

Applications

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| Tested Applications: IHC, WB, ELISA | Positive Controls: WB : HeLa cells, mouse brain tissue, Jurkat cells, PC-3 cells IHC : human liver cancer tissue, human pancreas tissue |
| 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 | |

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

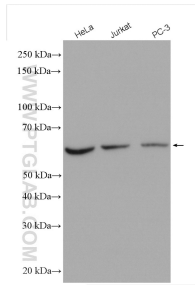
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

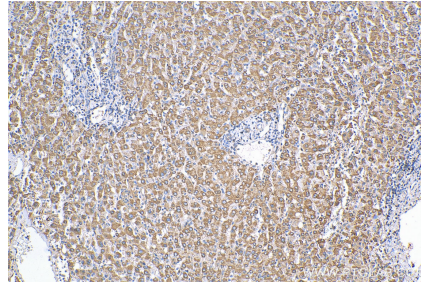
For technical support and original validation data for this product please contact:
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Selected Validation Data



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).