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**Product Name: SST Mouse Monoclonal Antibody****Catalog #: AMM81181**

For research use only.

**Summary**

|                      |   |
|----------------------|---|
| <b>Description</b>   | Mouse monoclonal Antibody   |
| <b>Host</b>          | Mouse   |
| <b>Application</b>   | IHC,ELISA,FC  |
| <b>Reactivity</b>    | Human,Mouse,Rat   |
| <b>Conjugation</b>   | Unconjugated  |
| <b>Modification</b>  | Unmodified  |
| <b>Isotype</b>       | Mouse IgG1  |
| <b>Clonality</b>     | Monoclonal  |
| <b>Form</b>          | Liquid  |
| <b>Concentration</b> | 1mg/ml  |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>      | Ice bags  |
| <b>Buffer</b>        | Purified antibody in PBS with 0.05% sodium azide                            |
| <b>Purification</b>  | Affinity Purification   |

**Application**

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| <b>Molecular Weight</b> | 12.7kDa  |

**Antigen Information**

|                          |  |
|--------------------------|--|
| <b>Gene Name</b>         | SST  |
| <b>Alternative Names</b> | SMST   |
| <b>Gene ID</b>           | 6750.0   |
| <b>SwissProt ID</b>      | P61278   |
| <b>Immunogen</b>         | Purified recombinant fragment of human SST (AA: 1-116) expressed in E. Coli. |

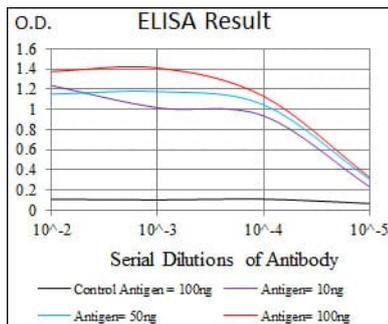
**Background**

The preproprotein encoded by this gene. Somatostatin is expressed throughout the body and inhibits the release of numerous secondary hormones by binding to high-affinity G-protein-coupled somatostatin receptors. This hormone is an important regulator of the endocrine system through its interactions with pituitary growth hormone, thyroid stimulating hormone, and

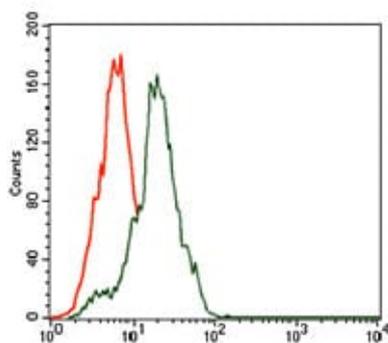
most hormones of the gastrointestinal tract. Somatostatin also affects rates of neurotransmission in the central nervous system and proliferation of both normal and tumorigenic cells.

## Research Area

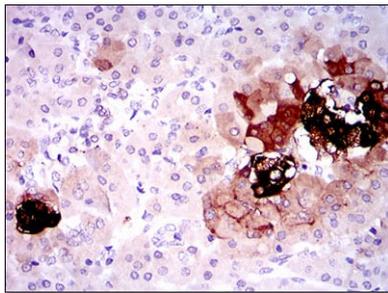
### Image Data



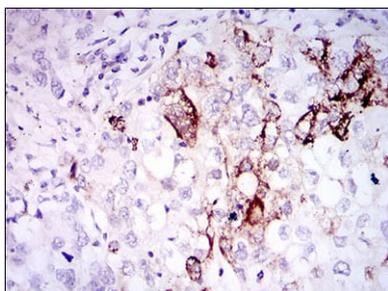
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



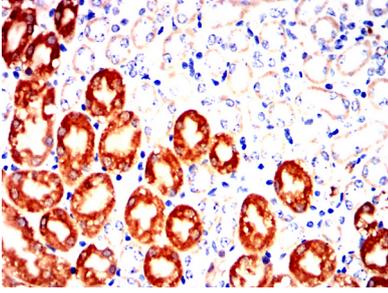
Flow cytometric analysis of HepG2 cells using SST mouse mAb (green) and negative control (red).



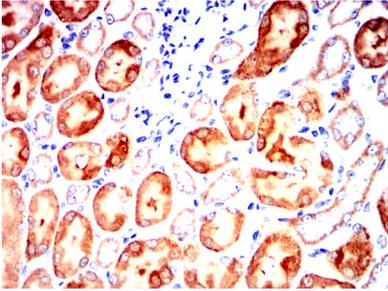
Immunohistochemical analysis of paraffin-embedded human pancreas tissues using SST mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using SST mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Mouse kidney using SST mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rat kidney using SST mouse mAb with DAB staining.