

## Product datasheet for **TA367731**

### Somatostatin (SST) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: A549 and Hela cell lysates IHC: 25-50 Positive control: Human brain Predicted cell location: Secreted
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human SST
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	13 kDa
Gene Name:	somatostatin
Database Link:	<a href="#">Entrez Gene 6750 Human P61278</a>



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**Background:**

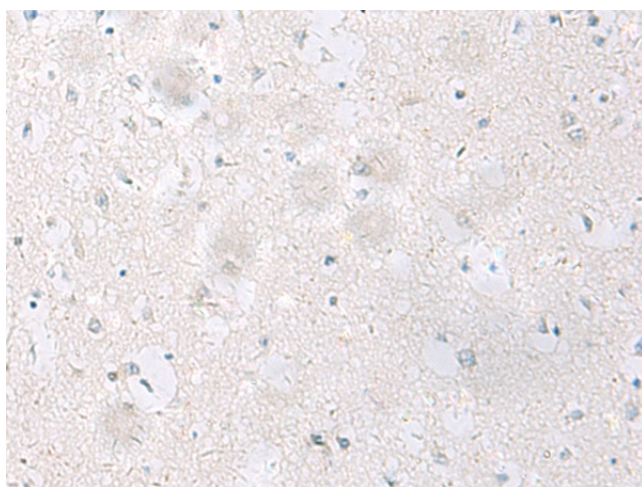
The hormone somatostatin has active 14 aa and 28 aa forms that are produced by alternate cleavage of the single preproprotein encoded by this gene. Somatostatin is expressed throughout the body and inhibits the release of numerous secondary hormones by binding to high-affinity G-protein-coupled somatostatin 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.

**Synonyms:**

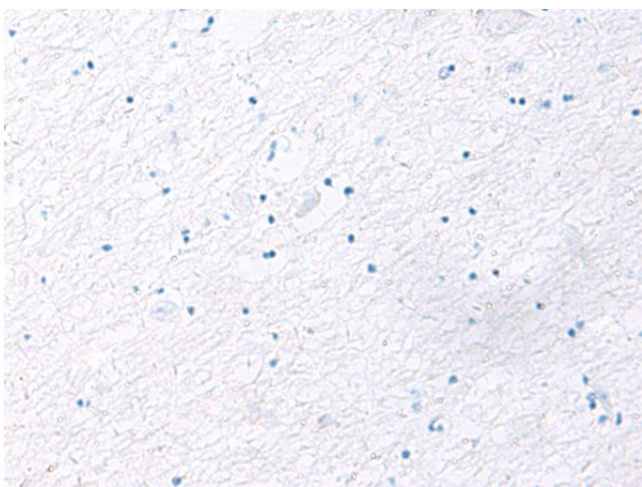
SMST; somatostatin; somatostatin-14; somatostatin-28

**Product images:**

Gel: 8%SDS-PAGE  
Lysate: 40 µg  
Lane 1-2: A549 and HeLa cell lysates  
Primary antibody: TA367731 (SST Antibody) at dilution 1/400  
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution  
Exposure time: 40 seconds



Immunohistochemistry of paraffin-embedded Human brain tissue using TA367731 (SST Antibody) at dilution 1/60 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA367731 (SST Antibody) at dilution 1/60, treated with synthetic peptide. (Original magnification:  $\times 200$ )