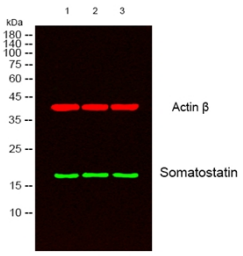
Somatostatin Polyclonal Antibody

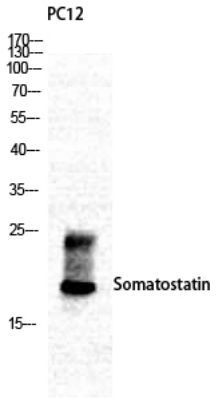
Catalog No	BYab-31582
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	SST
Protein Name	Somatostatin
Immunogen	The antiserum was produced against synthesized peptide derived from human Somatostatin. AA range:10-59
Specificity	Somatostatin Polyclonal Antibody detects endogenous levels of Somatostatin protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SST; Somatostatin; Growth hormone release-inhibiting factor
Observed Band	17kD
Cell Pathway	Secreted .
Tissue Specificity	Fetal brain,
Function	function:Somatostatin inhibits the release of somatotropin.,online information:Somatostatin entry,pharmaceutical:A synthetic analog known as octreotide or SMS 201-995 is available under the name Sandostatin (Novartis). It is used for the treatment of a variety of disorders including acromegaly and the symptomatic treatment of carcinoid tumors and vasoactive intestinal peptide tumors.,similarity:Belongs to the somatostatin family.,
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. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

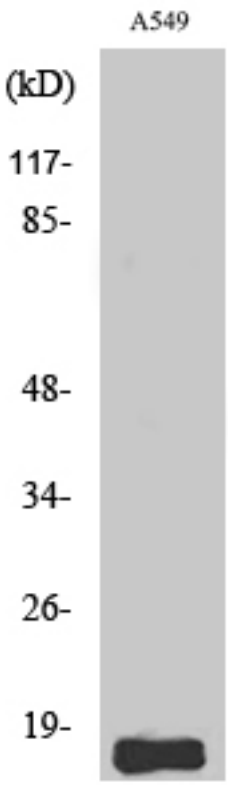
Products Images



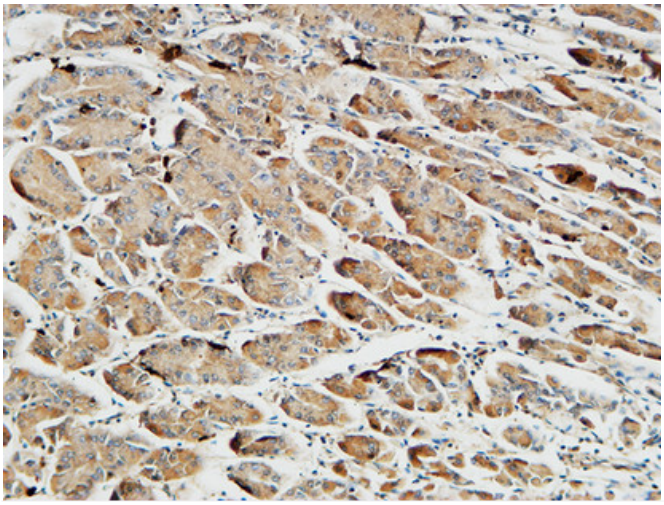
Western blot analysis of lysates from 1) PC-12, 2) A549 ,3) Hela cells, （Green） primary antibody was diluted at 1:1000, 4°over night, secondary antibody(cat:RS23920)was diluted at 1:10000, 37° 1hour. （Red） Actin β Monoclonal Antibody(5B7) (cat:YM3028) antibody was diluted at 1:5000 as loading control, 4° over night,secondary antibody(cat:RS23710)was diluted at 1:10000, 37° 1hour.



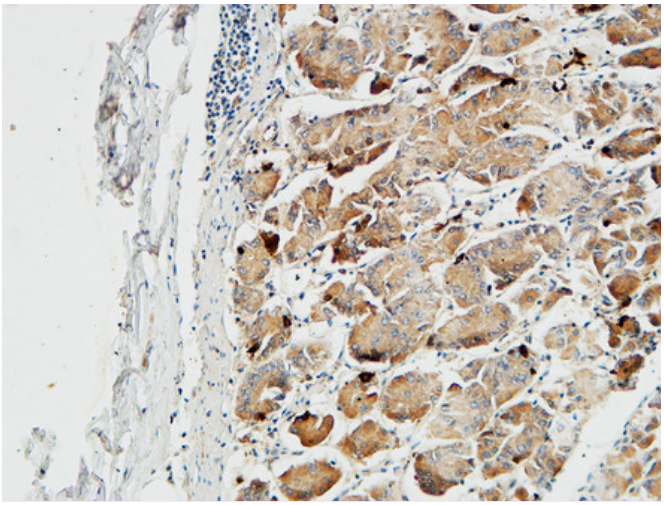
Western Blot analysis of various cells using Somatostatin Polyclonal Antibody



Western Blot analysis of A549 cells using Somatostatin Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human Gastric fundus. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



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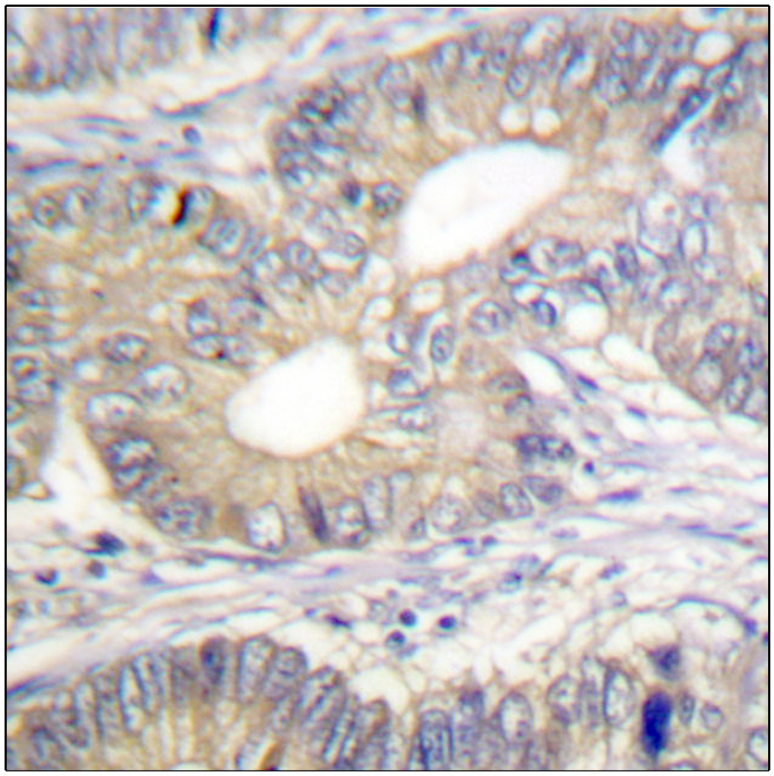
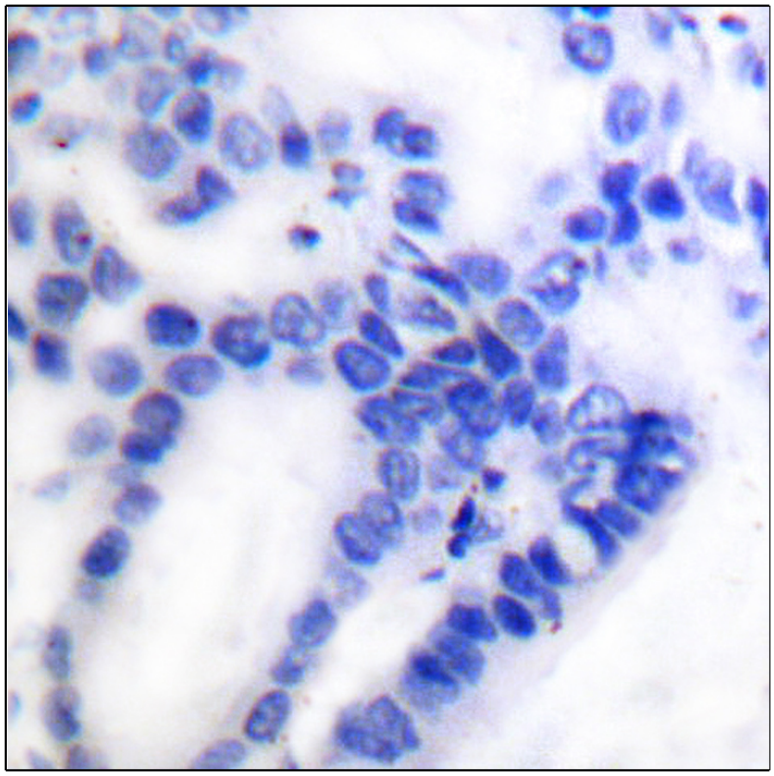
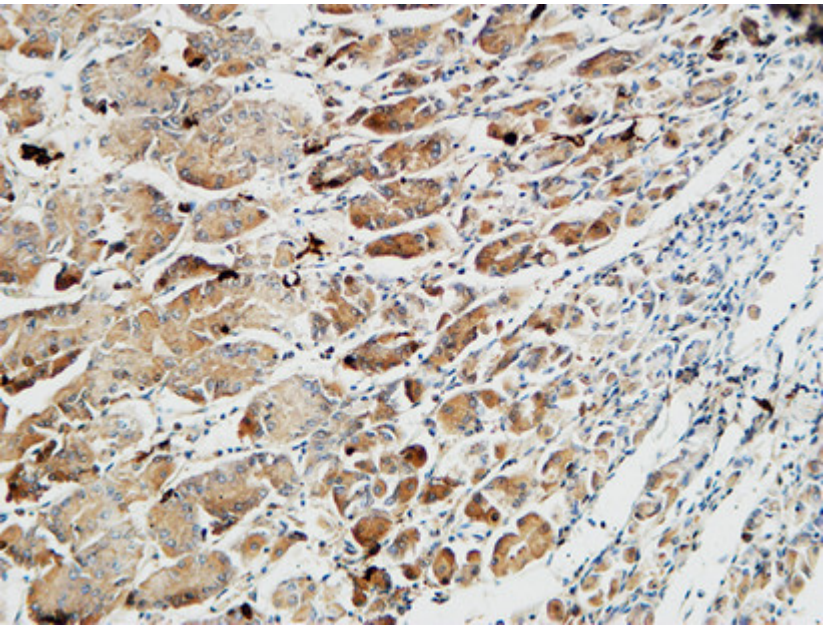
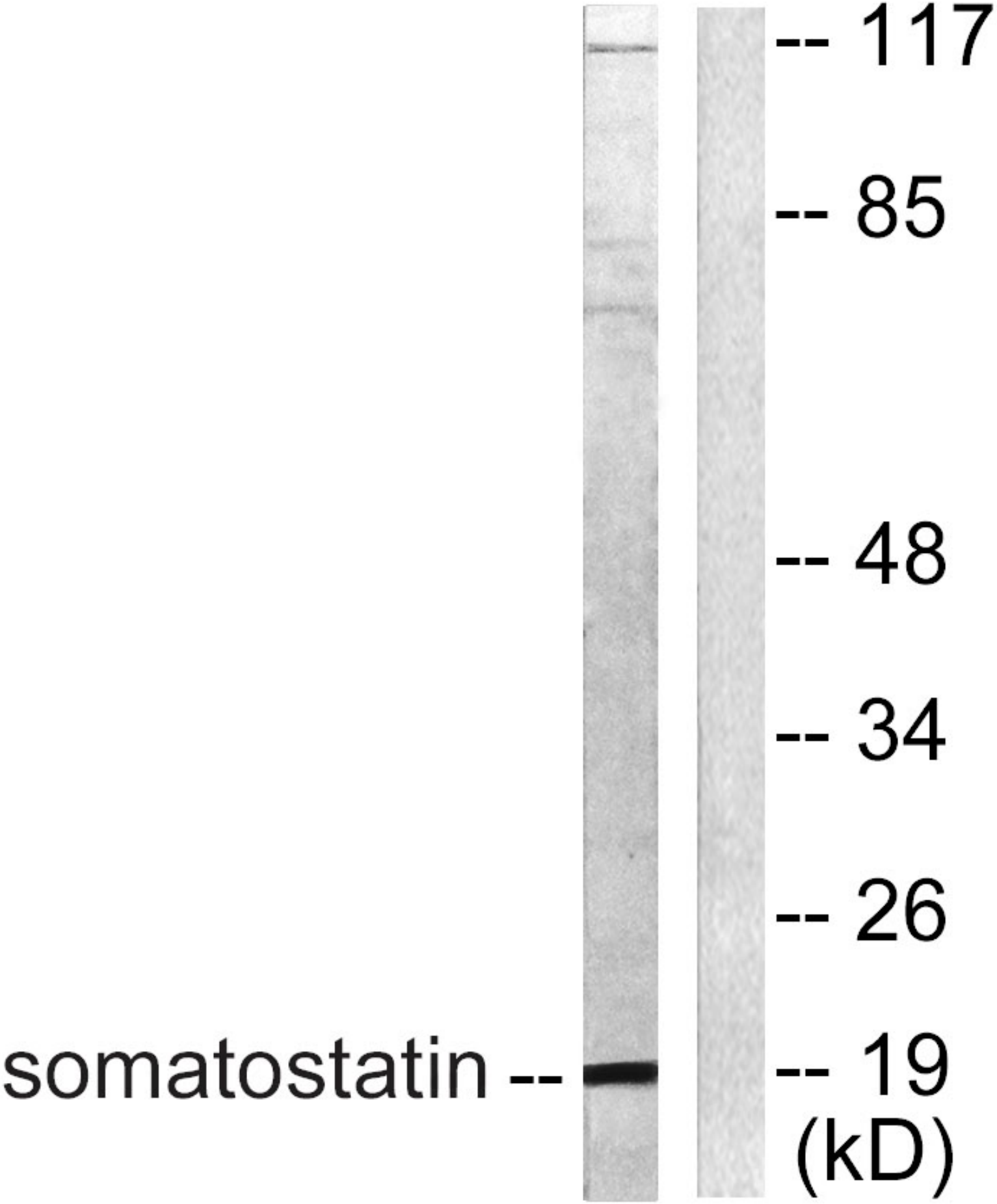
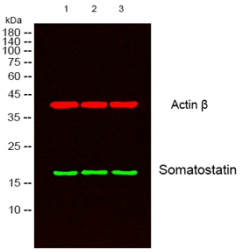







117
85
48
34
26
19
(kD)
somatostatin


1
2
3
kDa
180
140
100
75
60
45
35
25
15
10
Actin β
Somatostatin