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Anti-Somatostatin Antibody

Catalog # AP51537

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P61278
Reactivity	Human, Mouse, Rat, Pig, Chicken, Bovine, Sheep, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12736

Additional Information

Gene ID	6750
Other Names	Somatostatin; Growth hormone release-inhibiting factor
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Somatostatin. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

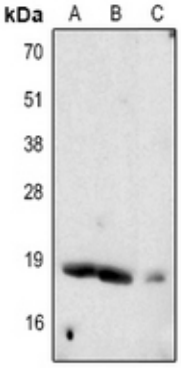
Protein Information

Name	SST
Function	[Somatostatin-14]: Inhibits the secretion of pituitary hormones, including that of growth hormone/somatotropin (GH1), PRL, ACTH, luteinizing hormone (LH) and TSH. Also impairs ghrelin- and GnRH- stimulated secretion of GH1 and LH; the inhibition of ghrelin- stimulated secretion of GH1 can be further increased by neuronostatin.
Cellular Location	Secreted {ECO:0000250|UniProtKB:P60042}.

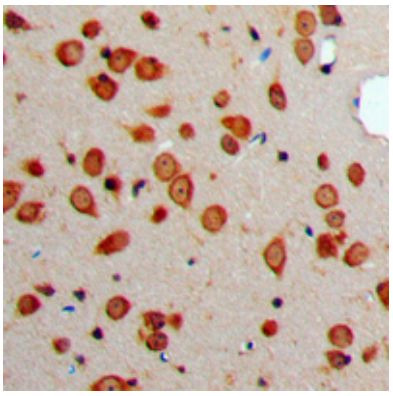
References

Shen L.-P.,et al.Proc. Natl. Acad. Sci. U.S.A. 79:4575-4579(1982).
Shen L.-P.,et al.Science 224:168-171(1984).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

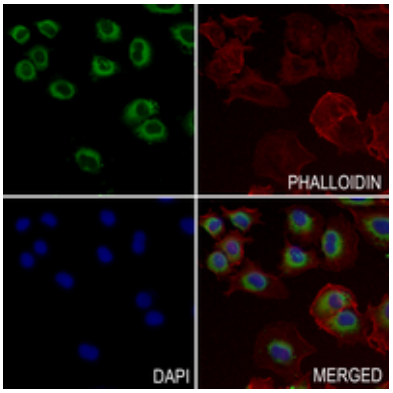
Images



Western blot analysis of Somatostatin expression in Hela (A), A549 (B), mouse lung (C) whole cell lysates. (Predicted band size: 12 kD; Observed band size: 17 kD)



Immunohistochemical analysis of Somatostatin staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Somatostatin staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.