

## Rabbit Polyclonal Antibody to Somatostatin Receptor

<b>Catalog No.:</b>	RP 081, RP 081-05
<b>Intended Use:</b>	This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person (s) when evaluating and interpreting results.
<b>Immunogen:</b>	A synthetic peptide derived from the C-terminus of rat somatostatin protein.
<b>Host:</b>	Rabbit
<b>Format:</b>	Purified immunoglobulin fraction of rabbit antiserum against human somatostatin receptor containing sodium azide as a preservative.
<b>Titer/Working Dilution:</b>	This antibody may be diluted to a titer of 1:50-1:75 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
<b>Staining Protocol:</b>	We suggest an incubation period of 30 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. <u>Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining.</u>
<b>Specificity:</b>	This antibody reacts with a 60 kD protein, known as somatostatin receptor. Somatostatin family receptors has five members, sst1-sst5, and two isoforms of somatostatin receptor 2: sst2A and sst2B. They are coupled to G protein and are involved in regulating numerous processes including secretion of insulin, glucagons, and growth hormone and excitation of neurons in the central and peripheral nervous system. This antibody cross reacts with mouse and rat.
<b>Positive Control:</b>	Pancreas
<b>Cellular Localization:</b>	Cytoplasmic
<b>Storage:</b>	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
<b>References:</b>	i) Florio et al. J Physiol Paris 94: 239, 2000. ii) Gu et al. Mol Pharmacol 48: 1004, 1995. iii) Schulz et al. J Physiol Paris 94: 259, 2000.

### IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

**DBS**

1020 Serpentine Lane, # 114, Pleasanton, CA 94566 Tel: 925 484 3350, Fax: 925 484 3390

Website: [www.dbiosys.com](http://www.dbiosys.com) e-mail: [customersupport@dbiosys.com](mailto:customersupport@dbiosys.com)