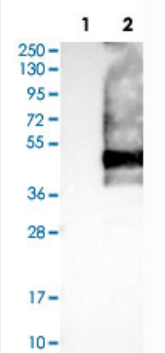
SSTR2 polyclonal antibody

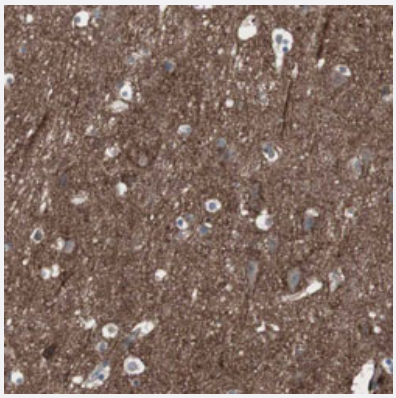
Catalog # PAB31385 Size 100 uL

Applications



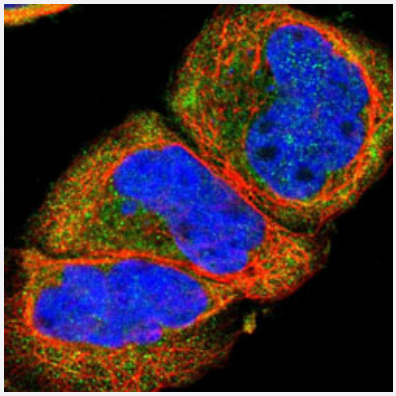
Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: negative control (vector only transfected HEK293T cell lysate) and Lane 2: over-expression lysate (co-expressed with a C-terminal myc-DDK tag in mammalian HEK293T cells) with SSTR2 polyclonal antibody (Cat # PAB31385).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebral cortex with SSTR2 polyclonal antibody (Cat # PAB31385) shows strong positivity in neuropil, neuronal cells were weakly stained.



Immunofluorescence

Immunofluorescent staining of A-431 cells with SSTR2 polyclonal antibody (Cat # PAB31385) (Green) shows localization to cytosol.

Specification

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Product Description	Rabbit polyclonal antibody raised against partial recombinant human SSTR2.
Immunogen	Recombinant protein corresponding to human SSTR2.
Sequence	DNFKKSFQNVLCLVKVSGTDDGERSDSKQDKSRLNETTETQRTLLNGDLQTSI
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- ### Western Blot (Transfected lysate)

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Gene Info — SSTR2

Entrez GeneID	6752
Protein Accession#	P30874
Gene Name	SSTR2
Gene Alias	-
Gene Description	somatostatin receptor 2
Omim ID	182452
Gene Ontology	Hyperlink
Gene Summary	Somatostatin acts at many sites to inhibit the release of many hormones and other secretory prot eins. The biologic effects of somatostatin are probably mediated by a family of G protein-coupled receptors that are expressed in a tissue-specific manner. SSTR2 is a member of the superfamily of receptors having seven transmembrane segments and is expressed in highest levels in cerebr um and kidney. [provided by RefSeq
Other Designations	-

Publication Reference

- Loss of somatostatin receptor subtype 2 in prostate cancer is linked to an aggressive cancer phenotype, high tumor cell proliferation and predicts early metastatic and biochemical relapse.

  Hennigs JK, Müller J, Adam M, Spin JM, Riedel E, Graefen M, Bokemeyer C, Sauter G, Huland H, Schlomm T, Minner S.

  PLoS One 2014 Jul; 9(7):e100469.

  Application: IHC-P, Human, Human prostate cancer, Human tissue microarray

- Binding of TS1, an anti-keratin 8 antibody, in small-cell lung cancer after 177Lu-DOTA-Tyr3-octreotate treatment: a histological study in xenografted mice.

  Erlandsson A, Forssell-Aronsson E, Seidal T, Bernhardt P.

  EJNMMI Research 2011 Aug; 1(1):19.

  Application: IHC-P, Human, Mouse, Human small-cell lung carcinoma-xenografted mice

- ERG status is unrelated to PSA recurrence in radically operated prostate cancer in the absence of antihormonal therapy.

  Minner S, Enodien M, Sirma H, Luebke AM, Krohn A, Mayer PS, Simon R, Tennstedt P, Müller J, Scholz L, Brase JC, Liu AY, Schlüter H, Pantel K, Schumacher U, Bokemeyer C, Steuber T, Graefen M, Sauter G, Schlomm T.

  Clinical Cancer Research 2011 Sep; 17(18):5878.

  Application: IHC-P, Human, Human prostate cancer, Human tissue microarray

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Pathway

- Neuroactive ligand-receptor interaction

Disease

- Acromegaly
- Adenocarcinoma
- Atherosclerosis
- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Insulin Resistance
- Mental Disorders
- Neoplasm Recurrence
- Neoplasms
- Obesity
- Ovarian Failure
- Polycystic Ovary Syndrome
- Prostate cancer
- Prostatic Neoplasms

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- Puberty
- Thrombophilia
- Tobacco Use Disorder

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