URL: www.sceti.jp/export/
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KX575

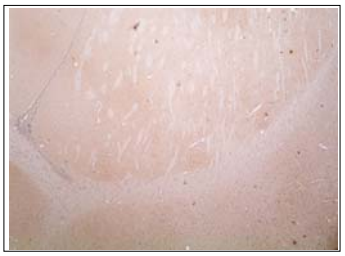
For research use only

Anti Human SSTR2 Monoclonal Antibody

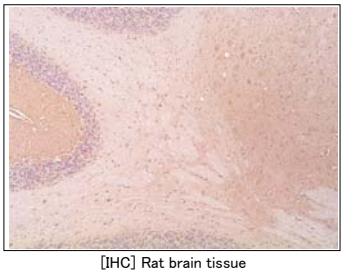
Clone No. 1B7

This product is generated from GANP® mice.

Code No.	KX575
Terget	SSTR2
Category	GPCR
Gene ID	6752
Primary Source	HGNC:11331
Synonyms	SSTR2
Type	Monoclonal Antibody
Immunogen	Partial peptide of Human SSTR2 (1st extracellular domain)
Raised in	GANP® mouse
Myeloma	P3U1
Clone number	1B7
Purification	ProteinG
Source	Serum-free medium
Isotype	IgG2a,κ
Cross Reactivity	Rat
Label	Unlabeled
Concentration	0.25 mg/mL
Contents（Volume）	50 μg（200 μL/vial)
Buffer	PBS [containing 2% Block Ace as a stabilizer, 0.1% Proclin as a bacteriostat]
Storage	Store at - 20 ℃ long term, store at 4 ℃ short term. Avoid repeated freeze-thaw cycles.
Application	ELISA,IHC



[IHC] Rat brain tissue



[IHC] Rat brain tissue

ELISA	WB	IHC	ICC
1.0	Not tested	10	Not tested
IP	FCM	IF	Neutralization
Not tested	Not tested	Not tested	Not tested

(μg/mL)

Reference

1. Yamada Y, et al. Cloning and functional characterization of a family of human and mouse somatostatin receptors expressed in brain, gastrointestinal tract, and kidney. Proc. Natl. Acad. Sci. U.S.A. 1992 89:251-255.
2. Petersenn S, et al. Genomic structure and transcriptional regulation of the human somatostatin receptor type 2. Mol. Cell. Endocrinol. 1999 157:75-85.
3. Ota T, et al. Complete sequencing and characterization of 21,243 full-length human cDNAs. Nat. Genet. 2004 36:40-45.

UniPlot Summary

//Function: Receptor for somatostatins-14 and -28. This receptor is coupled via pertussis toxin sensitive G proteins to inhibition of adenylyl cyclase. In addition it stimulates phosphotyrosine phosphatase and PLC via pertussis toxin insensitive as well as sensitive G proteins. In RIN-5F cells, this receptor inhibits calcium entry by suppressing voltage dependent calcium-channels.
//Subcellular location: Cell membrane; Multi-pass membrane protein.
//Tissue specificity: Cerebrum and kidney. In lesser amounts in jejunum, colon and liver.
//Sequence similarities: Belongs to the G-protein coupled receptor 1 family.