URL: www.sceti.jp/export/
E-mail: isao.hirose@sceti.co.jp

KX564

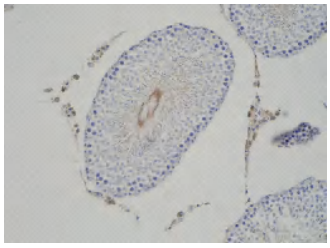
For research use only

Anti Human NPFFR1 Monoclonal Antibody

Clone No. 2A10

This product is generated from GANP® mice.

Code No.	KX564
Terget	NPFFR1
Category	GPCR
Gene ID	64106
Primary Source	HGNC:17425
Synonyms	NPFF1; GPR147; NPFF1R1; OT7T022; FLJ10751; NPFFR1
Type	Monoclonal Antibody
Immunogen	Partial peptide of Human NPFFR1-3rd extracellular domain
Raised in	GANP® mouse
Myeloma	P3UI
Clone number	2A10
Purification	ProteinG
Source	Serum-free medium
Isotype	IgG1,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 below −20℃. Once thawed, store at 4℃. Repeated freeze-thaw cycles should be avoided.
Application	ELISA,IHC



[IHC] Rat testis tissue

ELISA	WB	IHC	ICC
1.0	Not tested	5.0-10	Not tested
IP	**FCM**	**IF**	**Neutralization**
Not tested	Not tested	Not tested	Not tested

(μg/mL)

Reference

1. Gouardères C, et al. Detailed distribution of neuropeptide FF receptors (NPFF1 and NPFF2) in the rat, mouse, octodon, rabbit, guinea pig, and marmoset monkey brains: a comparative autoradiographic study. Synapse. 2004 Mar 15;51(4):249-69.
2. Goncharuk V, et al. Distribution of the neuropeptide FF1 receptor (hFF1) in the human hypothalamus and surrounding basal forebrain structures: immunohistochemical study. J Comp Neurol. 2004 Jul 5;474(4):487-503.

UniPlot Summary

//Function: Receptor for NPAF (A-18-F-amide) and NPFF (F-8-F-amide) neuropeptides, also known as morphine-modulating peptides. Can also be activated by a variety of naturally occurring or synthetic FMRF-amide like ligands. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.
//Sequence similarities: Belongs to the G-protein coupled receptor 1 family.

3-6-7 Kasumigaseki, Chiyoda-ku Tokyo 100-0013 JAPAN