

For Research Use Only

SSTR2 Recombinant monoclonal antibody, PBS Only

Catalog Number:87663-1-PBS



Basic Information

Catalog Number: 87663-1-PBS	GenBank Accession Number: BC019610	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 6752	CloneNo.: 251649C10
Source: Rabbit	UNIPROT ID: P30874	
Isotype: IgG	Full Name: somatostatin receptor 2	
Immunogen Catalog Number: AG14205	Calculated MW: 369 aa, 41 kDa	
	Observed MW: 85 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse

Background Information

Somatostatin receptor 2 (SSTR2) is a G-protein coupled membrane receptor expressed in a variety of neural and neurosecretory tissue types. In neuroendocrine tumors (NETs), in which Somatostatin receptors (SSTRs) are commonly expressed, the detection of SSTR2 expression has both diagnostic and therapeutic potential. Besides NETs, SSTR2 immunostaining can be detected in other types of tumor cells(PMID:34786053). Moreover, SSTR2 is consistently expressed in Olfactory neuroblastoma (ONB) suggesting a role for somatostatin-analog based imaging and therapy in this disease. More generally, SSTR2 may be another marker of neuroendocrine differentiation in ONB(PMID:33929681).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

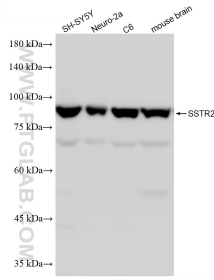
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

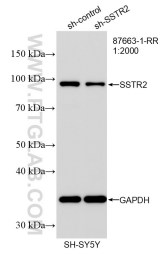
E: proteintech@ptglab.com
W: ptglab.com

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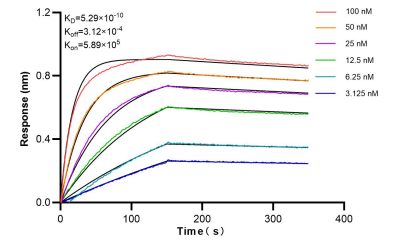
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87663-1-RR (SSTR2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87663-1-PBS in a different storage buffer formulation.



WB result of SSTR2 antibody (87663-1-RR; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SSTR2 transfected SH-SY5Y cells. This data was developed using the same antibody clone with 87663-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87663-1-RR against Human SSTR2 were performed. The affinity constant is 0.529 nM.