

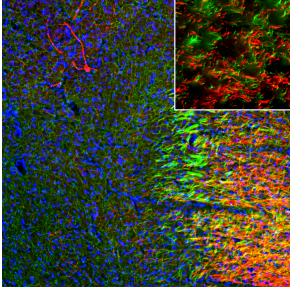
Anti-SERT Antibody (A104336)

Specifications:

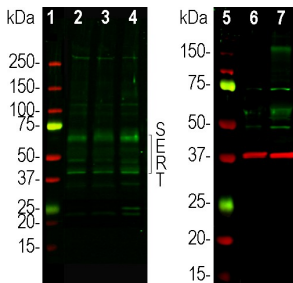
Name:	Anti-SERT Antibody
Description:	Rabbit polyclonal antibody to SERT.
Applications:	WB, ICC/IF
Recommended Dilutions:	ICC/IF: 1:2,000-1:5,000
Reactivity:	Human, Bovine, Rat, Mouse
Immunogen:	Synthetic peptide corresponding to C-terminal 21 amino acids of human SERT coupled to KLH.
Sequence:	KSITPETPTEIPCGDIRLNAV
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Conjugate:	Unconjugated
Purification:	Immunogen affinity purification.
Concentration:	1 mg/ml
Molecular Weight:	68 kDa (by SDS-PAGE)
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline with 50% Glycerol and 5mM Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This antibody be used to visualize serotonergic neurons and their processes in cell culture and in sectioned material.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

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Images:



Immunofluorescent analysis of a rat brain section stained with Anti-SERT Antibody (green) and counterstained with Anti-Tyrosine hydroxylase Antibody (red). The axons of serotonergic neurons course throughout the section but are clearly distinct from the chatacholinergic processes and cell bodies revealed with the Anti-Tyrosine hydroxylase Antibody. The blue stain reveals DNA in cell nuclei.



Western blot analysis of different tissue and cell lysates using Anti-SERT Antibody (1:1,000 | green). Left: [1] protein standard, [2] rat brain caudate/putmen region, [3] rat brain striatum region and [4] mouse brain. The prominent band at ~68kDa corresponds to SERT protein, and lower bands are likely are proteolytic products of SERT. Right: [5] protein standard, [6] non-transfected HEK293 cells and [7] HEK293 cells transfected with an expression construct containing a Myc-DDK tagged full length human SERT cDNA. The bands between 50-75kDa mark in the transfected cells demonstrate overexpression of SERT, and the band at about 150kDa presumably corresponds to an aggregated form of SERT. The blot was probed with Anti-GAPDH Antibody (1:5,000 | red), which reveals the single band at ~37kDa in both transfected and non-transfected cells. Note that HEK293 cells express SERT endogenously (7).