Datasheet for ABIN7043745

anti-SLC6A4 antibody (4th Extracellular Loop)

5 Images

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Overview

Quantity:	25 µL
Target:	SLC6A4
Binding Specificity:	4th Extracellular Loop, AA 388-400
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS), Live Cell Imaging (LCI), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)EMRNEDVSEVAKD, corresponding to amino acids residues 388-400 of rat SERT
Isotype:	IgG
Characteristics:	Anti-Serotonin Transporter (SERT) (extracellular) Antibody (ABIN7043745, ABIN7044608 and ABIN7044609)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, immunohistochemistry, immunocytochemistry, indirect flow cytometry, and live cell imaging applications. It has been designed to recognize SERT from human, mouse, and rat samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

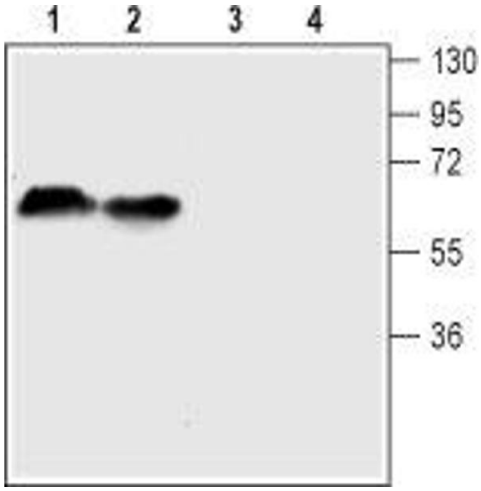
Target:	SLC6A4
Alternative Name:	Serotonin Transporter (SERT) (SLC6A4 Products)
Background:	Alternative names: Serotonin Transporter (SERT), Sodium-dependent serotonin transporter, 5-HT transporter, 5-HTT, 5-HTTLPR, SLC6A4
Gene ID:	25553
NCBI Accession:	NM_001045
UniProt:	P31652

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

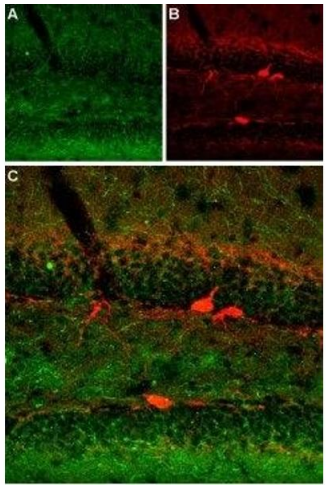
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



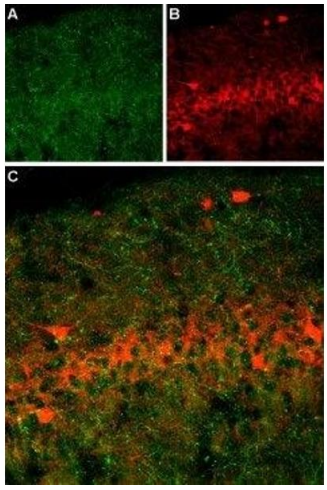
Western Blotting

Image 1. Western blot analysis of mouse (lanes 1 and 3) and rat (lanes 2 and 4) brain lysates: - 1-2. Anti-Serotonin Transporter (SERT) (extracellular) Antibody (ABIN7043745, ABIN7044608 and ABIN7044609), (1:200).3-4. Anti-Serotonin Transporter (SERT) (extracellular) Antibody, preincubated with Serotonin Transporter/SERT (extracellular) Blocking Peptide (#BLP-MT004).



Immunohistochemistry

Image 2. Expression of SERT in mouse brain - Immunohistochemical staining of immersion-fixed, free floating mouse brain frozen sections using Anti-Serotonin Transporter (SERT) (extracellular) Antibody (ABIN7043745, ABIN7044608 and ABIN7044609), (1:400). A. SERT (green) was visualized in axonal fibers of the hippocampal dentate gyrus. B. Axonal fibers of neurons expressing gamma amino butyric acid (GABA) were labeled with mouse anti parvalbumin (red). C. Merge of the two images demonstrates separate axonal processes (no co-localization).



Immunohistochemistry

Image 3. Expression of SERT in rat brain - Immunohistochemical staining of immersion-fixed, free floating rat brain frozen sections using Anti-Serotonin Transporter (SERT) (extracellular) Antibody (ABIN7043745, ABIN7044608 and ABIN7044609), (1:400). A. SERT (green) was visualized in axonal fibers of the rat hippocampal CA1 region. B. Axonal fibers of neurons expressing gamma amino butyric acid (GABA) were labeled with mouse anti parvalbumin (red). C. Merge of the two images demonstrates separate axonal processes (no co-localization).

Images

Please check the product details page for more images. Overall 5 images are available for ABIN7043745.