Leader in Biomolecular Solutions for Life Science

Serotonin transporter Rabbit mAb

Catalog No.: A22413 Recombinant



Basic Information

Observed MW

Refer to figures

Calculated MW

70kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

WB, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC50413

Background

This gene encodes an integral membrane protein that transports the neurotransmitter serotonin from synaptic spaces into presynaptic neurons. The encoded protein terminates the action of serotonin and recycles it in a sodium-dependent manner. This protein is a target of psychomotor stimulants, such as amphetamines and cocaine, and is a member of the sodium:neurotransmitter symporter family. A repeat length polymorphism in the promoter of this gene has been shown to affect the rate of serotonin uptake. There have been conflicting results in the literature about the possible effect, if any, that this polymorphism may play in behavior and depression.

Recommended Dilutions

WB 1:500 - 1:1000

IF 1:50 - 1:200

Immunogen Information

Gene ID6532

Swiss Prot
P31645

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-84 of human Serotonin transporter (NP 001036.1).

Synonyms

HTT; 5HTT; OCD1; SERT; 5-HTT; SERT1; hSERT; 5-HTTLPR; Serotonin transporter

Contact

www.abclonal.com

Product Information

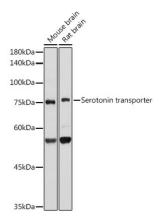
SourceIsotypePurificationRabbitIgGAffinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

35kDa



Western blot analysis of extracts of various cell lines, using Serotonin transporter antibody (A22413) at1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at1:10000 dilution.

Lysates/proteins: $25\mu g$ per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.

Westernoblet analysis of extracts of various cell lines, using Serotonin transporter antibody (A22413) at \$\frac{\partial}{2000} \frac{\partial}{\partial}}{\partial} \text{inition.} \\
180kDa = \frac{\partial}{\partial}}{\partial} \text{order} \text{order} \text{antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.} \\
140kDa = \text{Lysates} \text{proteins: 25µg per lane.} \\
100kDa = \text{Blocking buffer: 3% nonfat dry milk in TBST.} \\
100kDa = \text{Detection: ECL Basic Kit (RM00020).} \\
75kDa = \text{Exposure time: 180s.} \\
60kDa = \text{Lysates} \text{Partial} \text{Partial} \\
45kDa = \text{Lysates} \\
45kDa = \text{Lysates} \\
\text{Asombig of extracts of various cell lines, using Serotonin transporter antibody (A22413) \\
180kDa = \text{Lysates} \\
\text{Asombig of extracts of various cell lines, using Serotonin transporter antibody (A22413) \\
180kDa = \text{Lysates} \\
\text{Asombig of extracts of various cell lines, using Serotonin transporter antibody (A22413) \\
180kDa = \text{Lysates} \\
\text{Asombig of extracts of various cell lines, using Serotonin transporter antibody (A22413) \\
180kDa = \text{Lysates} \\
\text{Asombig of extracts of extracts of various cell lines, using Serotonin transporter antibody (A22413) \\
\text{Asombig of extracts of e