

Serotonin transporter Rabbit mAb

Catalog No.: A29360 **Recombinant**

Basic Information

Observed MW

80-100 kDa

Calculated MW

70 kDa

Category

Primary antibody

Applications

WB, IP, IHC-P, ELISA

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC3946

Background

Enables neurotransmitter transmembrane transporter activity; nitric-oxide synthase binding activity; and serotonin:sodium:chloride symporter activity. Involved in several processes, including nervous system development; platelet aggregation; and serotonin uptake. Located in focal adhesion and synapse. Is expressed in several structures, including early conceptus; heart; liver; nervous system; and ovary. Used to study autism spectrum disorder and sudden infant death syndrome. Human ortholog(s) of this gene implicated in several diseases, including alcohol dependence; anxiety disorder (multiple); depressive disorder (multiple); heart disease (multiple); and substance abuse (multiple). Orthologous to human SLC6A4 (solute carrier family 6 member 4).

Recommended Dilutions

WB 1:1000 - 1:5000**IP** 0.5 µg - 4 µg antibody for
100µg - 200 µg extracts of
whole cells**IHC-P** 1:200 - 1:800**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay requirements.
For high-ratio antibody
dilutions ($\geq 1:10000$) a
sequential dilution method
is strongly recommended to
ensure measurement
accuracy.

Immunogen Information

Gene ID

15567

Swiss Prot

Q60857

Immunogen

This information is considered to be commercially sensitive.

Synonyms

Htt; Sert; 5-HTT

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

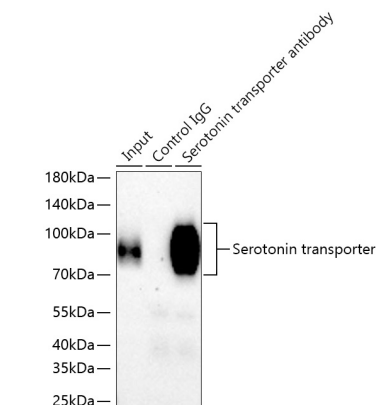
Contact

☎ | 400-999-6126

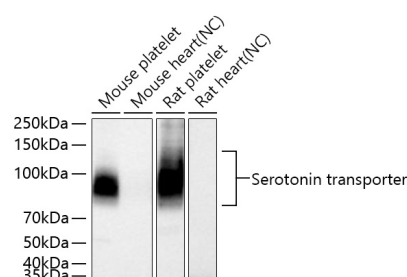
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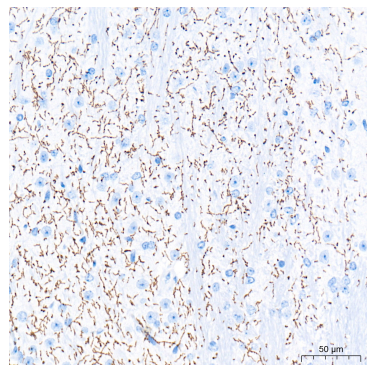
Validation Data



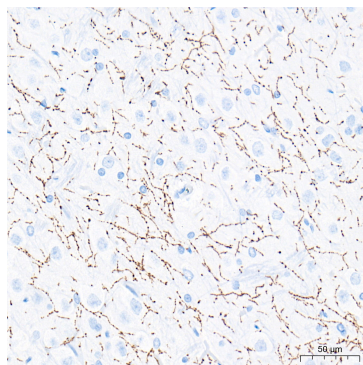
Immunoprecipitation of Serotonin transporter from 100 µg extracts of Mouse platelet tissue was performed using 2 µg of Serotonin transporter Rabbit mAb (A29360). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Serotonin transporter Rabbit mAb (A29360) at a dilution of 1:3000.



Western blot analysis of various lysates using Serotonin transporter Rabbit mAb (A29360) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Negative control (NC): Mouse heart, Rat heart. Exposure time: 5 s.



Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Serotonin transporter Rabbit mAb (A29360) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using Serotonin transporter Rabbit mAb (A29360) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.