

HTR3A Rabbit mAb

Catalog No.: A22906 **Recombinant**

Basic Information

Observed MW

55kDa

Calculated MW

55kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC3173

Background

The product of this gene belongs to the ligand-gated ion channel receptor superfamily. This gene encodes subunit A of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor causes fast, depolarizing responses in neurons after activation. It appears that the heteromeric combination of A and B subunits is necessary to provide the full functional features of this receptor, since either subunit alone results in receptors with very low conductance and response amplitude. Alternatively spliced transcript variants encoding different isoforms have been identified.

Recommended Dilutions

WB	1:1000 - 1:5000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

3359

Swiss Prot

P46098

Immunogen

Synthetic peptide

Synonyms

HTR3; 5HT3R; 5-HT-3; 5-HT3A; 5-HT3R; HTR3A

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

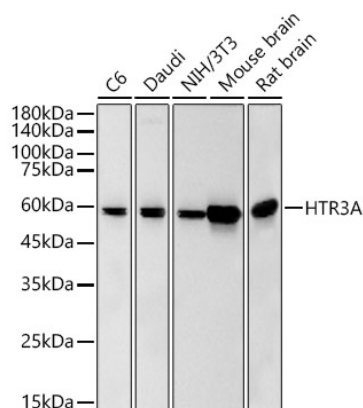
Protein A purified

Storage

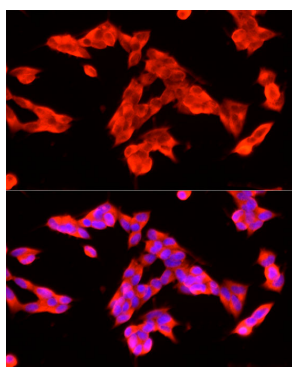
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: 59% PBS with 0.01% Sodium azide, 0.05% BSA, 40% Glycerol, PH 7.2

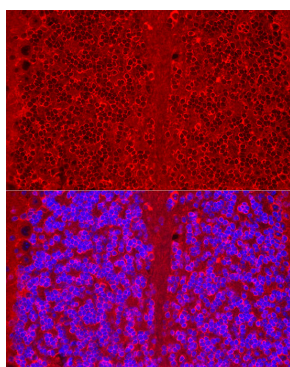
Validation Data



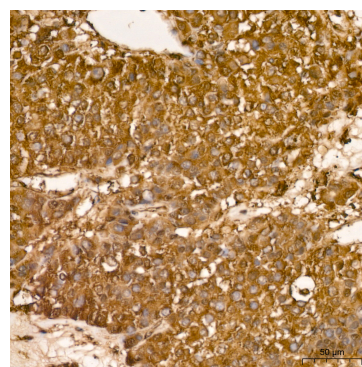
Western blot analysis of various lysates, using HTR3A Rabbit mAb (A22906) at 1:2000 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 30s.



Immunofluorescence analysis of 5H-SY5Y cells using HTR3A Rabbit mAb (A22906) at dilution of 1:50 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded mouse brain using HTR3A Rabbit mAb (A22906) at dilution of 1:50 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using HTR3A Rabbit mAb (A22906) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.