



Rabbit Anti-5HT3D Receptor antibody

SL12053R

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| Product Name: | 5HT3D Receptor |
| Chinese Name: | 5-羟色胺受体3D抗体 |
| Alias: | 5 hydroxytryptamine receptor 3D; 5-hydroxytryptamine receptor 3 subunit D; 5HT3D; HTR3D; MGC119636; MGC119637; Serotonin 5-HT-3D receptor; Serotonin receptor 3D; 5HT3D HUMAN. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human, |
| Applications: | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 48kDa |
| Cellular localization: | The cell membrane |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human 5HT3D Receptor:141-250/454<Extracellular> |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |
| Product Detail: | Serotonin is a monoamine neurotransmitter that is made in serotonergic neurons in the CNS (central nervous system) and is important in the regulation of mood, sleep, vomiting, sexuality and appetite. 5-HT3 (5-hydroxytryptamine-3) receptor is the only ligand-gated ion channel within the family of serotonin receptors. It is composed of five |

subunits consisting of SR-3A, SR-3B, HTR3C, HTR3D and HTR3E. HTR3D (5-hydroxytryptamine receptor 3D), also known as Serotonin receptor 3D, is a 454 amino acid multi-pass membrane protein that is one components of the pentaheteromeric complex that forms the 5-HT₃ receptor. HTR3D must be co-expressed with SR-3A to form a functional 5-HT₃ receptor complex on the plasma membrane. Until it is complexed with SR-3A, HTR3D is localized within the endoplasmic reticulum. Expression of HTR3D is restricted to kidney, colon and liver. There are three different isoforms of HTR3D that are expressed as a result of alternative splicing events.

Function:

This is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor is a ligand-gated ion channel, which when activated causes fast, depolarizing responses. It is a cation-specific, but otherwise relatively nonselective, ion channel.

Subunit:

Forms a pentaheteromeric complex with HTR3A. Not functional as a homomeric complex.

Subcellular Location:

Cell membrane; Multi-pass membrane protein. Note: Presumably retained within the endoplasmic reticulum unless complexed with HTR3A.

Tissue Specificity:

Expressed in liver, as well as fetal and adult colon and kidney.

Similarity:

Belongs to the ligand-gated ion channel (TC 1.A.9) family. 5-hydroxytryptamine receptor (TC 1.A.9.2) subfamily. HTR3D sub-subfamily.

SWISS:

Q70Z44

Gene ID:

200909

Database links:

[Entrez Gene: 200909](#)Human

[Omim: 610122](#)Human

[SwissProt: Q70Z44](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human,

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| | therapeutic or diagnostic applications. |
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