

SR-3D Polyclonal Antibody

Catalog No: YT4402

Reactivity: Human

Applications: WB;IF;ELISA

Target: SR-3D

Fields: >>Serotonergic synapse;>>Taste transduction

Gene Name: HTR3D

Protein Name: 5-hydroxytryptamine receptor 3D

Q70Z44

Human Gene Id: 200909

Human Swiss Prot

No:

Immunogen: Synthesized peptide derived from SR-3D . at AA range: 10-90

Specificity: SR-3D Polyclonal Antibody detects endogenous levels of SR-3D protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other

applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 50kD

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Background:

The protein encoded this gene belongs to the ligand-gated ion channel receptor superfamily. This gene encodes subunit D of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a mitogen and a hormone. This hormone has been linked to neuropsychiatric disorders, including anxiety, depression, and migraine. Serotonin receptors causes fast and depolarizing responses in neurons following activation. The genes encoding subunits C, D and E of this type 3 receptor form a cluster on chromosome 3. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2009],

Function:

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.,similarity:Belongs to the ligand-gated ionic channel (TC 1.A.9) family.,subcellular location:Presumably retained within the endoplasmic reticulum unless complexed with HTR3A.,subunit:Forms a pentaheteromeric complex with HTR3A, homomeric complex being not functional.,tissue specificity:Expressed in liver, as well as fetal and adult colon and kidney.,

Subcellular Location :

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

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

Sort: 16584

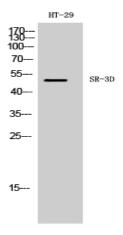
No4: 1

Host: Rabbit

Modifications: Unmodified

Products Images

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Western Blot analysis of HT-29 cells using SR-3D Polyclonal Antibody