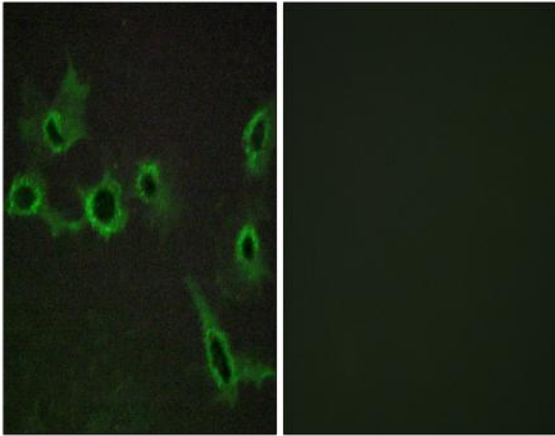


## SR-7 Polyclonal Antibody

|                              |  |
|------------------------------|--|
| <b>Catalog No :</b>          | YT4409   |
| <b>Reactivity :</b>          | Human;Mouse;Rat  |
| <b>Applications :</b>        | IF;ELISA   |
| <b>Target :</b>              | SR-7   |
| <b>Fields :</b>              | >>Ras signaling pathway;>>Calcium signaling pathway;>>Neuroactive ligand-receptor interaction;>>Serotonergic synapse |
| <b>Gene Name :</b>           | HTR7   |
| <b>Protein Name :</b>        | 5-hydroxytryptamine receptor 7   |
| <b>Human Gene Id :</b>       | 3363   |
| <b>Human Swiss Prot No :</b> | P34969   |
| <b>Mouse Gene Id :</b>       | 15566  |
| <b>Mouse Swiss Prot No :</b> | P32304   |
| <b>Rat Gene Id :</b>         | 65032  |
| <b>Rat Swiss Prot No :</b>   | P32305   |
| <b>Immunogen :</b>           | The antiserum was produced against synthesized peptide derived from human HTR7. AA range:391-440                     |
| <b>Specificity :</b>         | SR-7 Polyclonal Antibody detects endogenous levels of SR-7 protein.  |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG   |
| <b>Dilution :</b>            | IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.  |

|                               |  |
|-------------------------------|--|
| <b>Purification :</b>         | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |
| <b>Concentration :</b>        | 1 mg/ml  |
| <b>Storage Stability :</b>    | -15°C to -25°C/1 year(Do not lower than -25°C)   |
| <b>Molecularweight :</b>      | 54kD   |
| <b>Cell Pathway :</b>         | Calcium;Neuroactive ligand-receptor interaction;   |
| <b>Background :</b>           | The neurotransmitter, serotonin, is thought to play a role in various cognitive and behavioral functions. The serotonin receptor encoded by this gene belongs to the superfamily of G protein-coupled receptors and the gene is a candidate locus for involvement in autistic disorder and other neuropsychiatric disorders. Three splice variants have been identified which encode proteins that differ in the length of their carboxy terminal ends. [provided by RefSeq, Jul 2008],  |
| <b>Function :</b>             | alternative products:Isoform A and isoform B appear to be expressed at higher levels,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. The activity of this receptor is mediated by G proteins that stimulate adenylate cyclase.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Isoform A is the predominant isoform in spleen, caudate and hippocampus. Isoform B is expressed at lower levels, and isoform D is a minor isoform., |
| <b>Subcellular Location :</b> | Cell membrane; Multi-pass membrane protein.  |
| <b>Expression :</b>           | Isoform A is the predominant isoform in spleen, caudate and hippocampus. Isoform B is expressed at lower levels. Isoform D is a minor isoform in terms of expression.  |

## Products Images



Immunofluorescence analysis of COS7 cells, using HTR7 Antibody. The picture on the right is blocked with the synthesized peptide.