



SR-7 Polyclonal Antibody

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| Catalog No | BYab-12823 |
| Isotype | IgG |
| Reactivity | Human;Mouse;Rat |
| Applications | IF;ELISA |
| Gene Name | HTR7 |
| Protein Name | 5-hydroxytryptamine receptor 7 |
| Immunogen | The antiserum was produced against synthesized peptide derived from human HTR7. AA range:391-440 |
| Specificity | SR-7 Polyclonal Antibody detects endogenous levels of SR-7 protein. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source | Polyclonal, Rabbit,IgG |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications. |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | HTR7; 5-hydroxytryptamine receptor 7; 5-HT-7; 5-HT7; 5-HT-X; Serotonin receptor 7 |
| Observed Band | |
| Cell Pathway | Cell membrane; Multi-pass membrane protein. |
| Tissue Specificity | 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. |
| Function | 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., |

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Background

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],

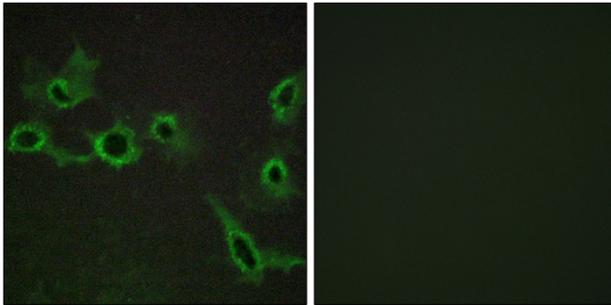
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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