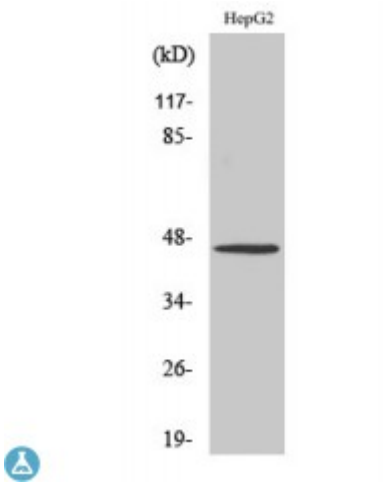
# Anti-SR-1A antibody




| | |
|---|---|
| **Description** | Rabbit polyclonal to SR-1A. |

| | |
|---|---|
| **Model** | STJ95756 |
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse, Rat |
| **Applications** | ELISA, IF, IHC, WB |
| **Immunogen** | Synthesized peptide derived from human SR-1A |
| **Immunogen Region** | 260-340 aa, C-terminal |
| **Gene ID** | 3350 |
| **Gene Symbol** | HTR1A |
| **Dilution range** | WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000 |
| **Specificity** | SR-1A Polyclonal Antibody detects endogenous levels of SR-1A protein. |
| **Tissue Specificity** | Detected in lymph nodes, thymus and spleen. Detected in activated T-cells, but not in resting T-cells. |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Note** | For Research Use Only (RUO). |
| **Protein Name** | 5-hydroxytryptamine receptor 1A 5-HT-1A 5-HT1A G-21 Serotonin receptor 1A |
| **Molecular Weight** | 46 kDa |
| **Clonality** | Polyclonal |

| | |
|---|---|
| **Conjugation** | Unconjugated |
| **Isotype** | IgG |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Concentration** | 1 mg/ml |
| **Storage Instruction** | Store at -20°C, and avoid repeat freeze-thaw cycles. |
| **Database Links** | HGNC:5286OMIM:109760 |
| **Alternative Names** | 5-hydroxytryptamine receptor 1A 5-HT-1A 5-HT1A G-21 Serotonin receptor 1A |
| **Function** | G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various drugs and psychoactive substances. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Beta-arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Signaling inhibits adenylate cyclase activity and activates a phosphatidylinositol-calcium second messenger system that regulates the release of Ca(2+) ions from intracellular stores. Plays a role in the regulation of 5-hydroxytryptamine release and in the regulation of dopamine and 5-hydroxytryptamine metabolism. Plays a role in the regulation of dopamine and 5-hydroxytryptamine levels in the brain, and thereby affects neural activity, mood and behavior. Plays a role in the response to anxiogenic stimuli. |
| **Cellular Localization** | Cell membrane |