

## **SR-6 Polyclonal Antibody**

**Catalog # AP72591** 

## **Specification**

### **SR-6 Polyclonal Antibody - Product Information**

Application WB
Primary Accession P50406

Reactivity Human, Mouse, Rat

Host Rabbit Clonality Polyclonal

# **SR-6 Polyclonal Antibody - Additional Information**

**Gene ID** 3362

**Other Names** 

HTR6; 5-hydroxytryptamine receptor 6; 5-HT-6; 5-HT6; Serotonin receptor 6

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

**Format** 

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions** 

-20°C

# **SR-6 Polyclonal Antibody - Protein Information**

#### Name HTR6 (HGNC:5301)

#### **Function**

G-protein coupled receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone and a mitogen (PubMed:<a

href="http://www.uniprot.org/citations/35714614" target="\_blank">35714614</a>, PubMed:<a href="http://www.uniprot.org/citations/36989299" target="\_blank">36989299</a>, PubMed:<a href="http://www.uniprot.org/citations/37327704" target="\_blank">37327704</a>, PubMed:<a href="http://www.uniprot.org/citations/37327704" target="\_blank">37327704</a>, PubMed:<a href="http://www.uniprot.org/citations/8522988" target="\_blank">8522988</a>). Also has a high affinity for tricyclic psychotropic drugs (By similarity). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide- binding proteins (G proteins) and modulates the activity of downstream effectors (PubMed:<a

href="http://www.uniprot.org/citations/35714614" target="\_blank">35714614</a>). HTR6 is coupled to G(s) G alpha proteins and mediates activation of adenylate cyclase activity (PubMed:<a href="http://www.uniprot.org/citations/35714614" target="\_blank">35714614</a>, PubMed:<a href="http://www.uniprot.org/citations/37327704" target="\_blank">37327704</a>). Controls pyramidal neurons migration during corticogenesis, through the regulation of CDK5 activity (By similarity). Is an activator of mTOR signaling (PubMed:<a

href="http://www.uniprot.org/citations/23027611" target=" blank">23027611</a>).



**Cellular Location** 

Cell membrane; Multi-pass membrane protein

#### **Tissue Location**

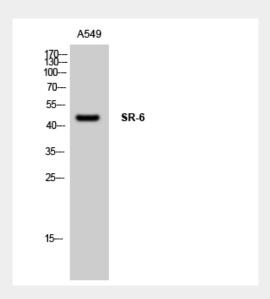
Expressed in several human brain regions, most prominently in the caudate nucleus.

# **SR-6 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

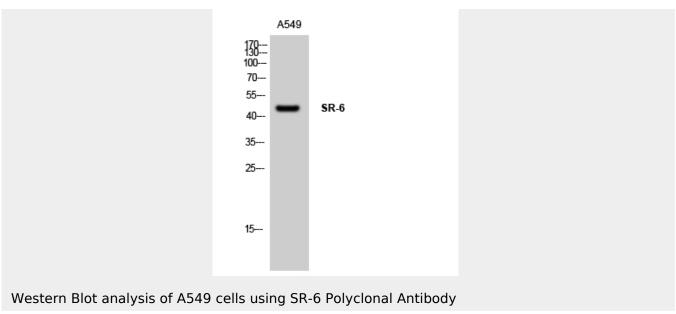
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# SR-6 Polyclonal Antibody - Images



Western Blot analysis of A549 cells using SR-6 Polyclonal Antibody





**SR-6 Polyclonal Antibody - Background** 

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. It has a high affinity for tricyclic psychotropic drugs (By similarity). Controls pyramidal neurons migration during corticogenesis, through the regulation of CDK5 activity (By similarity). Is an activator of TOR signaling (PubMed:23027611).