

DATASHEET

Version: 2016-08-17

5HT2A Receptor Antibody, pAb, Rabbit**Cat. No.:** A01177-40**Size:** 40 µg**Synonyms:** Rabbit Anti-5HT2A Receptor pAb;**Description:**

5HT are receptors for neurotransmitter and peripheral signal mediator serotonin. It is also known as 5-hydroxytryptamine or 5HT. 5HT receptors mediate the effects of serotonin as the endogenous ligand and of a broad range of pharmaceutical and hallucinogenic drugs. Specifically, 5HT receptors affect the release of other neurotransmitters such as glutamate, dopamine, and GABA as well as their activities.

5HT2A is a type of receptor belongs to the serotonin receptor family and is one member of G protein coupled receptor (GPCR) family. 5HT2A is involved in the contraction of tracheal smooth muscle, bronchoconstriction, and the control of aldosterone production. The receptor also happens to be necessary for the spread of the human polyoma virus called JC virus. 5HT2A is widely expressed throughout the central nervous system (CNS). It is expressed near most of the serotonergic terminal rich areas, including neocortex and olfactory tubercle. Increased stimulation of 5HT2A receptors seems to oppose the therapeutic actions of increased stimulation of other serotonin receptors in anti-depressant and anxiolytic treatments.

GenScript Rabbit Anti-5HT2A Receptor Polyclonal

Antibody is developed in rabbit hosts using a KLH-coupled synthetic peptide derived from the third intracellular domain loop of human 5HT2A receptor (Swiss Prot: P28223).

Immunogen: Synthetic peptide (KLH-coupled) derived from the third intracellular domain loop of human 5HT2A receptor (Swiss Prot: P28223).

Host: Rabbit**Antigen Synonyms:** Human**Conjugation:** Unconjugated**Predicated Band Size:****Example**

52 kD

Observed Band Size:

52 kD

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Ig Subclass: Rabbit IgG

Specificity: GenScript Rabbit Anti-5HT2A Receptor Polyclonal Antibody detects endogenous levels of 5HT2A receptor.

Purification: Immunoaffinity chromatography**Applications:**

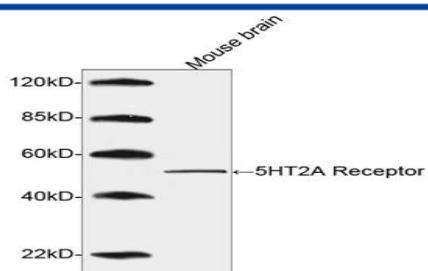
Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml**Western blot:** 0.5-2 µg/ml**Other applications:** user-optimized**Species Reactivity:** Human, mouse**Reconstitution:**

Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.



Western blot analysis of tissue lysates, using 5HT2A Receptor Antibody, pAb, Rabbit (GenScript, A01177, 1 µg/ml)

The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.

Predicted Size: 52 kD

Observed Size: 52 kD