

Datasheet for ABIN7581901

anti-Serotonin Receptor 6 antibody (Extracellular)



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Overview

Quantity:	50 µL
Target:	Serotonin Receptor 6 (HTR6)
Binding Specificity:	AA 167-181, Extracellular
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Serotonin Receptor 6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	A Rabbit Polyclonal antibody to 5HT6 Receptor (HTR6) (extracellular).
Immunogen:	(C)HELGKARTPAPGQ(S)R, corresponding to amino acid residues 167 - 181 of rat HTR6
Sequence:	(C)HELGKARTPA PGQ(S)R
Isotype:	IgG
Specificity:	Extracellular, 2nd loop.
Predicted Reactivity:	Rat - 14 out of 15 amino acid residues identical Mouse - 13 out of 15 amino acid residues identical The antibody is not recommended for human samples
Characteristics:	Anti-5HT6 Receptor (HTR6) (extracellular) Antibody (ABIN7581901) is a highly specific antibody directed against an extracellular epitope of the rat protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize 5HT6 from

Product Details

mouse and rat samples. The antibody is not recommended for human samples.

Purification: Affinity purified on immobilized antigen.

Target Details

Target: Serotonin Receptor 6 (HTR6)

Alternative Name: HTR6 ([HTR6 Products](#))

Background: 5-Hydroxytryptamine Receptor 6, Serotonin Receptor 6, 5-HT-6, 5HT6R, 5HT6 also known as 5-Hydroxytryptamine Receptor 6, Serotonin Receptor 6, or 5-HT-6, is a member of the serotonin (5-HT) family of receptors that comprises 14 members, classified into 7 distinct families (5HT1 to 5HT7). With the exception of 5HT3 that is a ligand-gated channel, all other family members are G protein-coupled receptors (GPCRs) 1,2. The 5HT6 receptor is almost exclusively present in the central nervous system and is distributed in various brain regions, including the striatum, nucleus accumbens, hippocampus, thalamus, cerebellum, dentate gyrus, olfactory tubercles, amygdala, and cerebral cortex. 1,2,5 Based on the unique expression pattern of 5HT6 in the brain, research on the 5HT6 receptor has suggested its involvement in various neurological and psychiatric conditions, including mood disorders, schizophrenia, cognitive function and Alzheimer's disease 1,2,5. Indeed several antagonists of 5HT6 receptor have been examined in the context of schizophrenia³, Alzheimer's disease⁴ and cognitive impairment⁵.

Gene ID: 64354

UniProt: [P31388](#)

Pathways: [JAK-STAT Signaling](#)

Application Details

Application Notes: Antigen preadsorption control: 1 µg peptide per 1 µg antibody
Application Dilutions Immunohistochemistry paraffin embedded sections ihc: 1:300
Application Dilutions Western blot wb: 1:400

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: 0.2 mL double distilled water (DDW).

Handling

Concentration: 1 mg/mL

Buffer: PBS pH 7.4

Storage: 4 °C, -20 °C

Storage Comment: Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.

Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).