BOSTER[®] antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY

Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

Web: www.boster.com Phone: 027-67845390/1/2 Email: boster@boster.com

Basic Inform	nation		
Product Name	Anti-HTR2A Antibody		
Gene Name	HTR2A		
Source	Rabbit		
Clonality	Polyclonal		
lsotype	IgG		
Species Reactivity	human, rat		
Tested Application	WB, IHC		
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.		
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human 5HT2A Receptor, different from the related mouse sequence by three amino acids, and from the related rat sequence by two amino acids.		
Concentration	500 ug/ml		
Purification	Immunogen affinity purified.		
Observed MW	53 kDa		
Dilution Ratios	Western blot (WB):1:500-2000Immunohistochemistry (IHC):1:50-400(Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.		

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

The mammalian HTR2A (5-HT2A receptor) is a subtype of the 5-HT2 receptor that belongs to the serotonin receptor family and is a G protein-coupled receptor (GPCR). This is the main excitatory receptor subtype among the GPCRs for serotonin (5-HT), although 5-HT2A may also have an inhibitory effect on certain areas such as the visual cortex and the orbit frontal cortex. This receptor was given importance first as the target of psychedelic drugs like LSD. Later it came back to prominence because it was also found to be mediating, at least partly, the action of many antipsychotic drugs, especially the atypical ones. 5-HT2A also happens to be a necessary receptor for the spread of the human polyoma virus called JC virus. Sparkes et al. (1991) concluded that the gene is located on 13q14-q21 in man and on chromosome 14 in the mouse.

Reference



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Anti-HTR2A Antibody被引用在3文献中。

Selected Validation Data

130KD —	1	2	3
100KD — 70KD —			
55KD -	-	-	-
35KD —			
25KD —			
15KD -			

Western blot analysis of HTR2A using anti-HTR2A antibody (PB0599). The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: Rat Brain tissue lysates, Lane 2: Rat Testis tissue lysates, Lane 3: U87 whole cell lysates. After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-HTR2A antigen affinity purified polyclonal antibody (PB0599) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The

signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for HTR2A at approximately 53

kDa. The expected band size for HTR2A is at 53 kDa.



IHC analysis of HTR2A using anti-HTR2A antibody (PB0599). HTR2A was detected in a paraffin-embedded section of human glioma tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-HTR2A Antibody (PB0599) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.



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