10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HTR3B

Purified Mouse Monoclonal Antibody
Catalog # AO2624a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	O95264
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	2H9H5
Isotype	Mouse IgG2b
Calculated MW	50292
Immunogen	Purified recombinant fragment of human HTR3B (AA: extra 23-150) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	9177
Other Names	5-HT3B
Dilution	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~ 1/100 - 1/500 E~~ 1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HTR3B is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HTR3B (HGNC:5298)
Function	Forms serotonin (5-hydroxytryptamine/5-HT3)-activated cation- selective channel complexes, which when activated cause fast, depolarizing responses in neurons.
Cellular Location	Postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Note=Presumably retained within the endoplasmic reticulum unless complexed with HTR3A
Tissue Location	Expressed in the brain cortex, in the caudate nucleus, the hippocampus, the

thalamus and the amygdala. Detected in the kidney and testis as well as in monocytes of the spleen, small and large intestine, uterus, prostate, ovary and placenta

References

1.Yonsei Med J. 2015 Sep;56(5):1415-20.2.Psychiatry Res. 2014 Sep 30;219(1):235-7.

Images

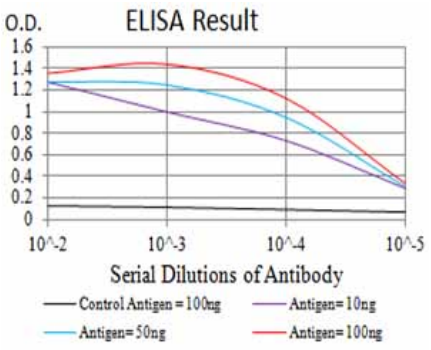


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

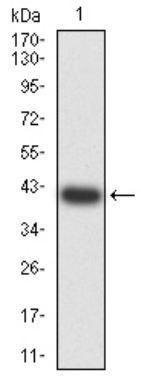


Figure 2:Western blot analysis using HTR3B mAb against human HTR3B (AA: extra 23-150) recombinant protein. (Expected MW is 41.1 kDa)

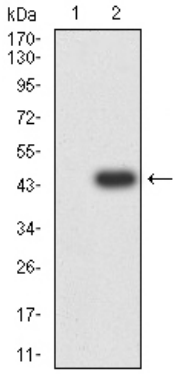
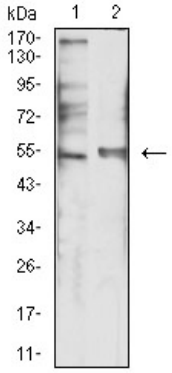


Figure 3:Western blot analysis using HTR3B mAb against HEK293 (1) and HTR3B (AA: extra 23-150)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 4:Western blot analysis using HTR3B mouse mAb against SK-N-SH (1) and Hela (2) cell lysate.



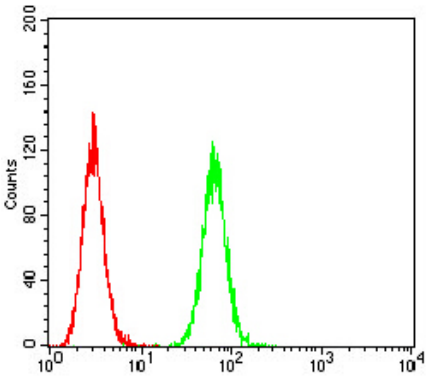


Figure 6:Flow cytometric analysis of Hela cells using HTR3B mouse mAb (green) and negative control (red).

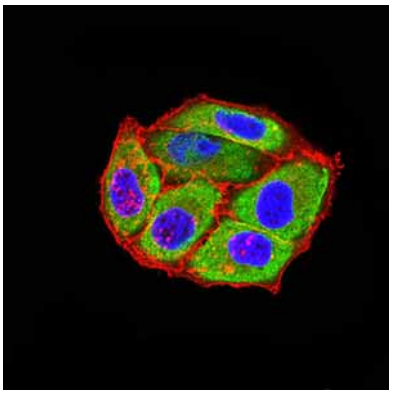


Figure 5:Immunofluorescence analysis of Hela cells using HTR3B mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.