

HTR3B
Purified Mouse Monoclonal Antibody
Catalog # AO2624a**Specification**

HTR3B - Product Information

Application	WB, IHC, ICC, E
Primary Accession	O95264
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2b
Calculated MW	50.3kDa KDa

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

HTR3B - 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.

HTR3B - 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

HTR3B - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HTR3B - Images

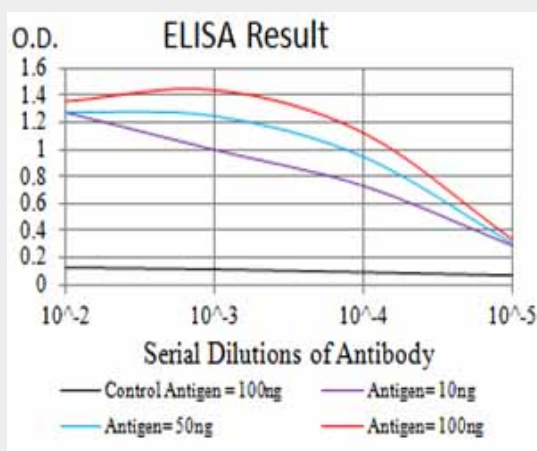


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

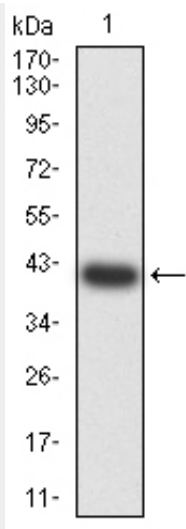


Figure 2: Western blot analysis using HTR3B mAb against human HTR3B (AA: extra 23-150) recombinant protein. (Expected MW is 41.1 kDa)

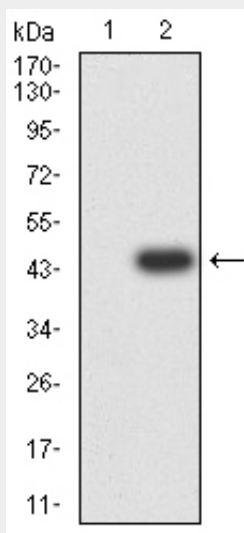


Figure 3: Western blot analysis using HTR3B mAb against HEK293 (1) and HTR3B (AA: extra 23-150)-hlgGFc transfected HEK293 (2) cell lysate.

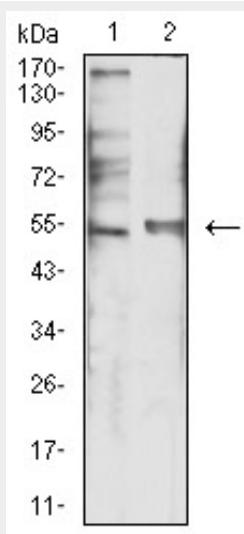


Figure 4:Western blot analysis using HTR3B mouse mAb against SK-N-SH (1) and Hela (2) cell lysate.

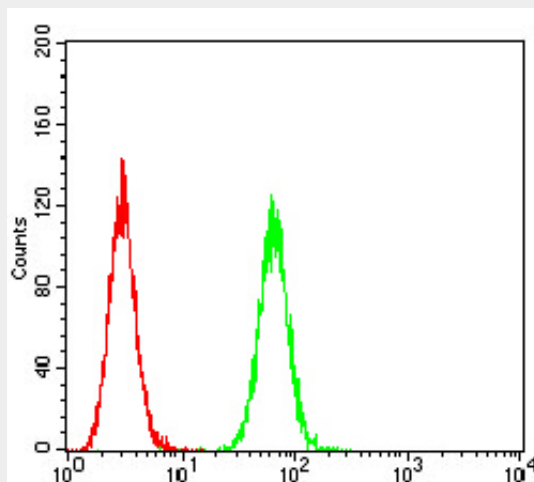


Figure 6:Flow cytometric analysis of Hela cells using HTR3B mouse mAb (green) and negative control (red).

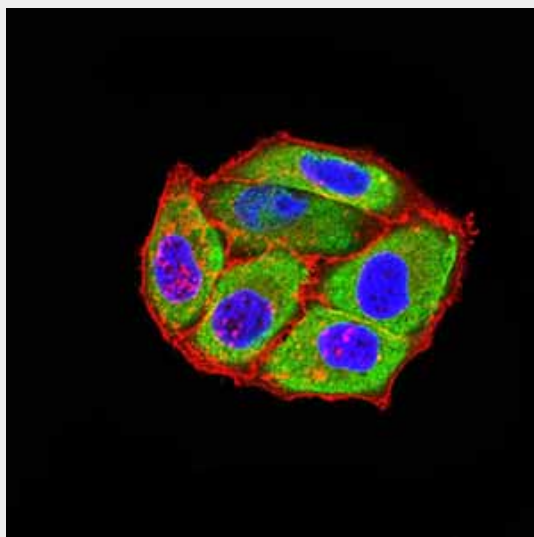


Figure 5:Immunofluorescence analysis of Hela cells using HTR3B mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

HTR3B - References

- 1.Yonsei Med J. 2015 Sep;56(5):1415-20.
- 2.Psychiatry Res. 2014 Sep 30;219(1):235-7.