

HTR3A
Purified Mouse Monoclonal Antibody
Catalog # AO2622a**Specification**

HTR3A - Product Information

Application	WB, IHC, ICC, E
Primary Accession	P46098
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2a
Calculated MW	55.3kDa KDa
Immunogen	

Purified recombinant fragment of human HTR3A (AA: extra 24-157) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

HTR3A - Additional Information

Gene ID 3359

Other Names

HTR3; 5HT3R; 5-HT-3; 5-HT3A; 5-HT3R

Dilution

WB~~ 1/500 - 1/2000

IHC~~ 1/200 - 1/1000

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

HTR3A is for research use only and not for use in diagnostic or therapeutic procedures.

HTR3A - Protein Information

Name HTR3A ([HGNC:5297](#))

Synonyms 5HT3R, HTR3

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 {ECO:0000250|UniProtKB:P23979}.
Cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P23979}

Tissue Location

Expressed in cerebral cortex, amygdala, hippocampus, and testis. Detected in monocytes of the spleen and tonsil, in small and large intestine, uterus, prostate, ovary and placenta.

HTR3A - 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](#)

HTR3A - Images

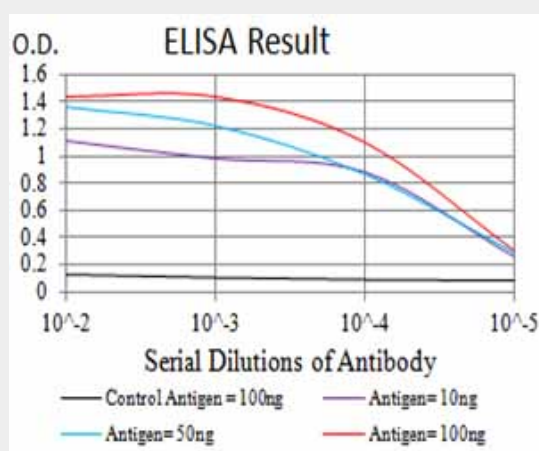


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

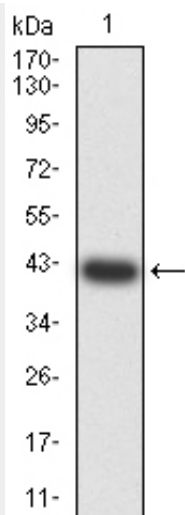


Figure 2: Western blot analysis using HTR3A mAb against human HTR3A (AA: extra 24-157) recombinant protein. (Expected MW is 41.9 kDa)

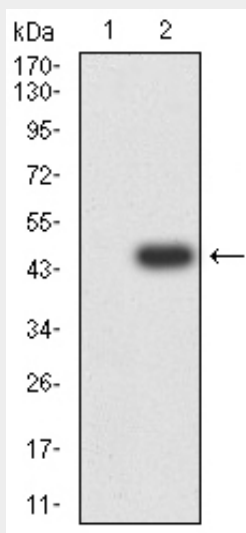


Figure 3: Western blot analysis using HTR3A mAb against HEK293 (1) and HTR3A (AA: extra 24-157)-hlgGfc transfected HEK293 (2) cell lysate.

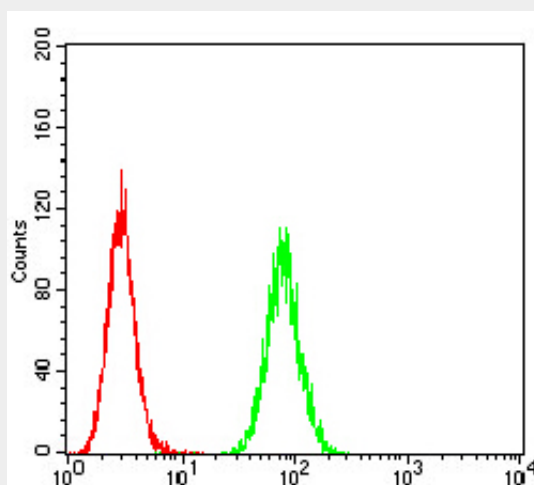


Figure 5: Flow cytometric analysis of Hela cells using HTR3A mouse mAb (green) and negative

control (red).

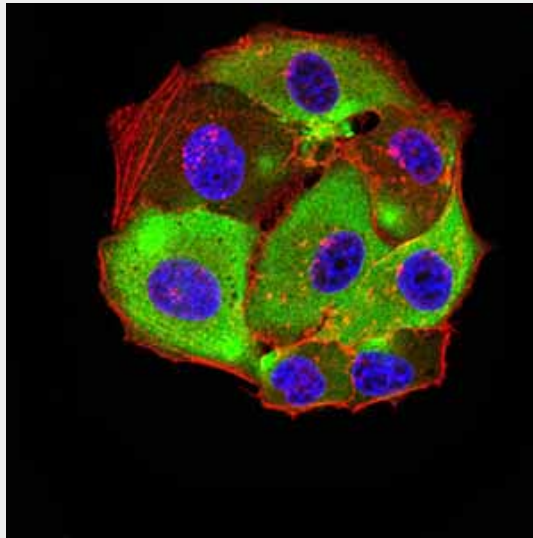


Figure 4: Immunofluorescence analysis of HeLa cells using HTR3A mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

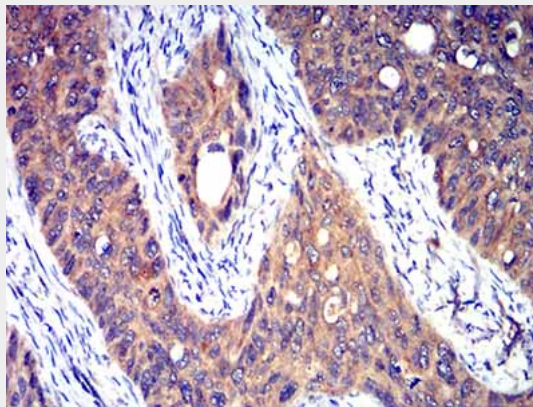


Figure 6: Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using HTR3A mouse mAb with DAB staining.

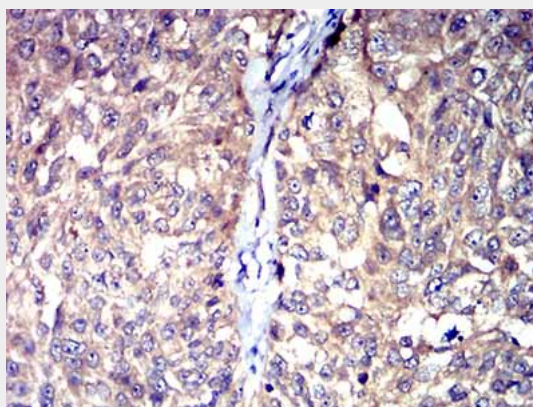


Figure 7: Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using HTR3A mouse mAb with DAB staining.

HTR3A - References

1.PLoS One. 2015 Dec 23;10(12):e0145269.2.Iran J Allergy Asthma Immunol. 2014 Feb;13(1):33-9.