

HTR3A

Purified Mouse Monoclonal Antibody
Catalog # AO2623a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	P46098
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	4D5E7
Isotype	Mouse IgG2a
Calculated MW	55280
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

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.

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.
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References

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

Images

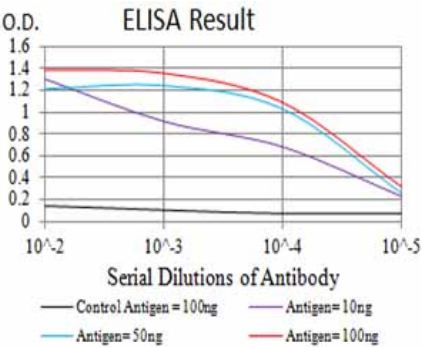


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

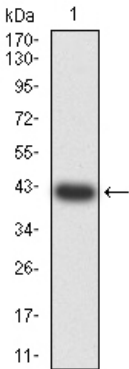


Figure 2:Western blot analysis using HTR3A mAb against human HTR3A (AA: extra 24-157) recombinant protein. (Expected MW is 41.9 kDa)

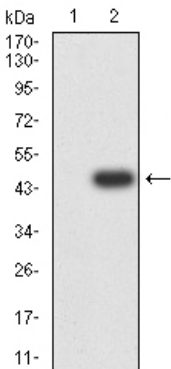


Figure 3:Western blot analysis using HTR3A mAb against HEK293 (1) and HTR3A (AA: extra 24-157)-hIgGFc transfected HEK293 (2) cell lysate.

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

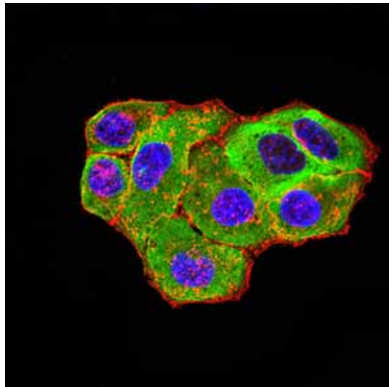
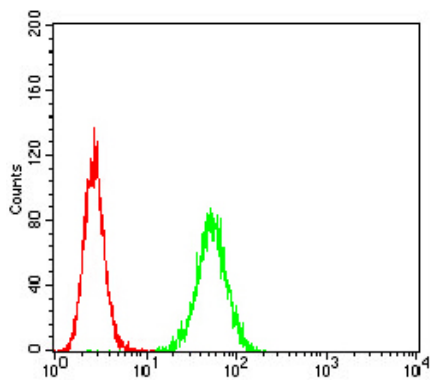


Figure 4: Immunofluorescence analysis of HeLa cells using HTR3A mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

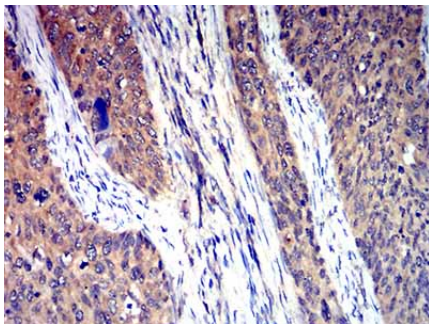


Figure 6: Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using HTR3A mouse mAb with DAB staining.

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