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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.

References

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

Images

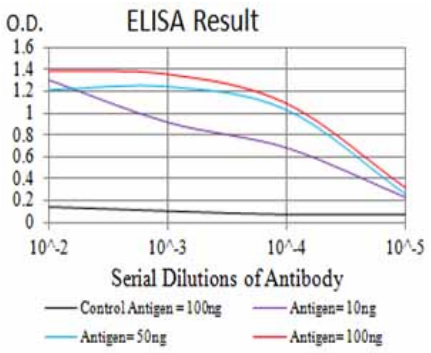


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

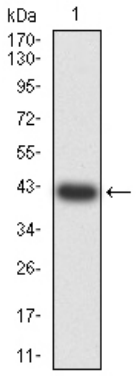


Figure 2:Western blot analysis using HTR3A mAb against human HTR3A (AA: extra 24-157) recombinant protein. (Expected MW is 41.9 kDa)

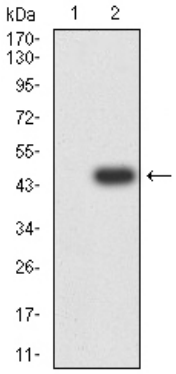
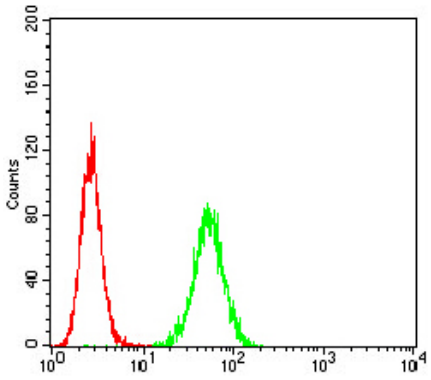


Figure 3:Western blot analysis using HTR3A mAb against HEK293 (1) and HTR3A (AA: extra 24-157)-hIgGFc transfected HEK293 (2) cell lysate.

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



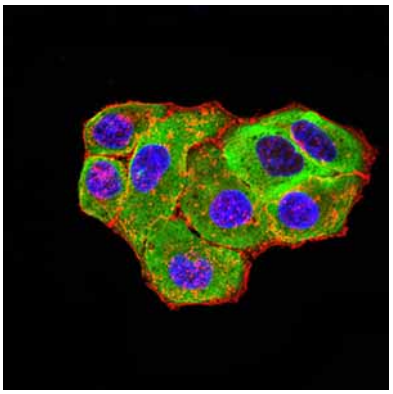


Figure 4:Immunofluorescence analysis of Hela cells using HTR3A mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

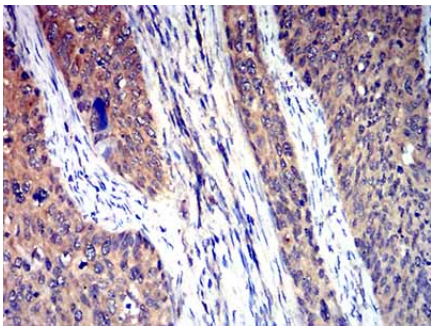


Figure 6:Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using HTR3A mouse mAb with DAB staining.

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