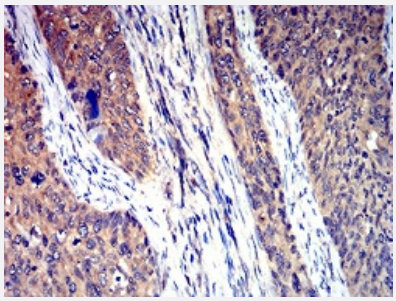
HTR3A monoclonal antibody, clone 4D5E7

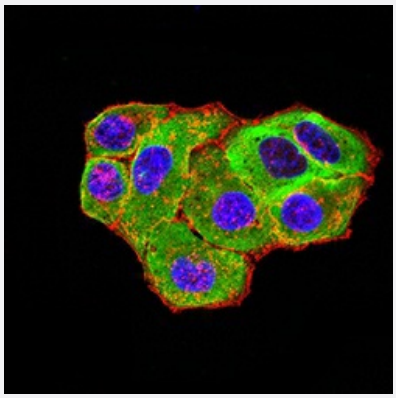
Catalog # MAB17569 Size 100 ug

Applications



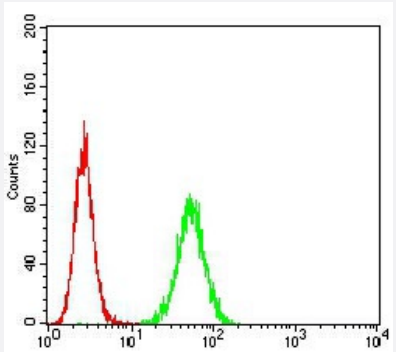
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded cervical cancer tissue with HTR3A monoclonal antibody.



Immunocytochemistry

Immunocytochemical staining of HeLa cells with HTR3A monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments labeled with Alexa Fluor-555 phalloidin (red).



Flow Cytometry

Flow cytometric analysis of Hela cells with HTR3A monoclonal antibody (green) and negative control (red).

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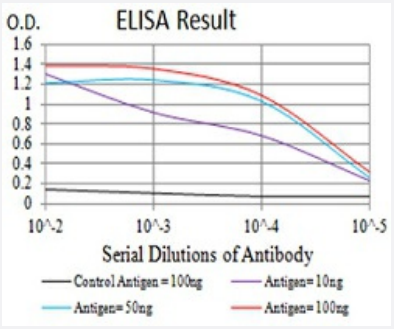
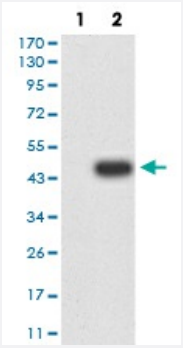


Enzyme-linked Immunoabsorbent Assay

ELISA analysis of HTR3A monoclonal antibody, clone 4D5E7.



Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) HTR3A-hIgGFc transfected HEK293 cell lysate.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human HTR3A.
Immunogen	Recombinant protein corresponding to amino acid 24-157 of human HTR3A from *E. coli*.
Host	Mouse
Theoretical MW (kDa)	55.3
Reactivity	Human
Form	Liquid
Isotype	IgG2a
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunocytochemistry (1:100-1:500) Flow Cytometry (1:200-1:400) Immunohistochemistry (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunocytochemistry

  Immunocytochemical staining of HeLa cells with HTR3A monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments labeled with Alexa Fluor-555 phalloidin (red).

- Flow Cytometry

  Flow cytometric analysis of Hela cells with HTR3A monoclonal antibody (green) and negative control (red).

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- Western Blot (Transfected lysate)

  Western blot analysis of (1) HEK293 cells, (2) HTR3A-hIgGFc transfected HEK293 cell lysate.

Gene Info — HTR3A

Entrez GeneID	3359
Gene Name	HTR3A
Gene Alias	5-HT-3, 5-HT3A, 5-HT3R, 5HT3R, HTR3
Gene Description	5-hydroxytryptamine (serotonin) receptor 3A
Omim ID	182139
Gene Ontology	Hyperlink
Gene Summary	The product of this gene belongs to the ligand-gated ion channel receptor superfamily. This gene encodes subunit A of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor causes fast, depola rizing responses in neurons after activation. It appears that the heteromeric combination of A and B subunits is necessary to provide the full functional features of this receptor, since either subunit alone results in receptors with very low conductance and response amplitude. Alternatively splice d transcript variants encoding different isoforms have been identified. [provided by RefSeq

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Other Designations	5-hydroxytryptamine (serotonin) receptor-3|5HT3 serotonin receptor|serotonin receptor|serotonin-gated ion channel receptor

Disease

- Alcoholism
- Anorexia Nervosa
- Antisocial Personality Disorder
- Anxiety Disorders
- Attention
- Autistic Disorder
- Bipolar Disorder
- Borderline Personality Disorder
- Breast Neoplasms
- Bulimia
- Cardiovascular Diseases
- Cognition
- Depressive Disorder
- Diabetes Mellitus
- Disease Models
- Dyspepsia
- Eating Disorders
- Edema
- Fatigue
- Fatigue Syndrome
- Fibromyalgia
- Genetic Predisposition to Disease

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- Habituation
- Hypercholesterolemia
- Mental Disorders
- Migraine Disorders
- Mood Disorders
- Nausea
- Neoplasms
- Neuropsychological Tests
- Obsessive-Compulsive Disorder
- Pattern Recognition
- Personality Assessment
- Personality Inventory
- Pregnancy Complications
- Psychiatric Status Rating Scales
- Psychomotor Performance
- Reaction Time
- Schizophrenia
- Schizophrenic Psychology
- Sleep Apnea
- Substance Withdrawal Syndrome
- Vomiting
- Weight Gain

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