10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HTR5A Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant HTR5A.
Catalog # AT2457a

Product Information

Application	WB, E
Primary Accession	P47898
Other Accession	NM_024012
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	10D3
Calculated MW	40255

Additional Information

Gene ID	3361
Other Names	5-hydroxytryptamine receptor 5A, 5-HT-5, 5-HT-5A, 5-HT5A, Serotonin receptor 5A, HTR5A
Target/Specificity	HTR5A (NP_076917, 223 a.a. ~ 282 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	HTR5A Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

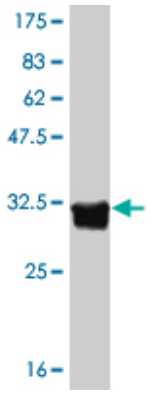
The neurotransmitter serotonin (5-hydroxytryptamine, 5-HT) has been implicated in a wide range of psychiatric conditions and also has vasoconstrictive and vasodilatory effects. The gene described in this record is a member of 5-hydroxytryptamine (serotonin) receptor family and encodes a multi-pass membrane protein that functions as a receptor for 5-hydroxytryptamine and couples to G-proteins. This protein has been shown to function in part through the regulation of intracellular Ca2+ mobilization.

References

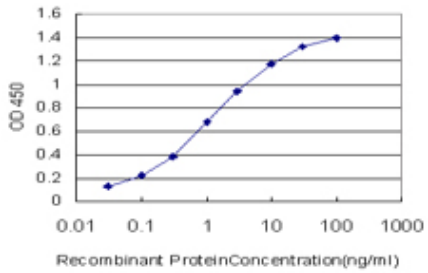
Association study of 182 candidate genes in anorexia nervosa. Pinheiro AP, et al. Am J Med Genet B

Neuropsychiatr Genet, 2010 Jul. PMID 20468064.Serotonin (5-HT) receptor 5A sequence variants affect human plasma triglyceride levels. Zhang Y, et al. Physiol Genomics, 2010 Jul 7. PMID 20388841.Association study of the serotoninergic system in migraine in the Spanish population. Corominas R, et al. Am J Med Genet B Neuropsychiatr Genet, 2010 Jan 5. PMID 19455600.Differences and similarities in the serotonergic diathesis for suicide attempts and mood disorders: a 22-year longitudinal gene-environment study. Brezo J, et al. Mol Psychiatry, 2010 Aug. PMID 19381154.Case-control association study of 65 candidate genes revealed a possible association of a SNP of HTR5A to be a factor susceptible to bipolar disease in Bulgarian population. Yosifova A, et al. J Affect Disord, 2009 Sep. PMID 19328558.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (32.34 KDa) .



Detection limit for recombinant GST tagged HTR5A is approximately 0.03ng/ml as a capture antibody.

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