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

GPR154 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant GPR154.
Catalog # AT2245a

Product Information

Application	WB, E
Primary Accession	Q6W5P4
Other Accession	NM_207173
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2F5
Calculated MW	42687

Additional Information

Gene ID	387129
Other Names	Neuropeptide S receptor, G-protein coupled receptor 154, G-protein coupled receptor PGR14, G-protein coupled receptor for asthma susceptibility, NPSR1, GPR154, GPRA, PGR14
Target/Specificity	GPR154 (NP_997056, 2 a.a. ~ 53 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	GPR154 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

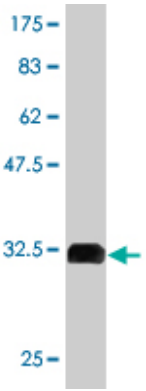
Background

This gene is a member of the G protein-coupled receptor 1 family and encodes a plasma membrane protein. Increased expression of this gene in ciliated cells of the respiratory epithelium and in bronchial smooth muscle cells is associated with asthma. Mutations in this gene have also been associated with this disease. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized.

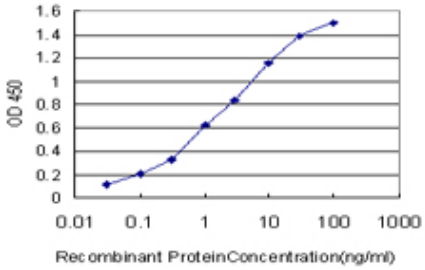
References

Assessment of the neuropeptide S system in anxiety disorders. Donner J, et al. Biol Psychiatry, 2010 Sep 1. PMID 20705147.A neuropeptide S receptor variant associated with overinterpretation of fear reactions: a potential neurogenetic basis for catastrophizing. Raczka KA, et al. Mol Psychiatry, 2010 Jul 13. PMID 20628342.Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Neuropeptide S receptor gene - converging evidence for a role in panic disorder. Domschke K, et al. Mol Psychiatry, 2010 Jul 6. PMID 20603625.Interleukin-9 polymorphism in infants with respiratory syncytial virus infection: an opposite effect in boys and girls. Schuurhof A, et al. Pediatr Pulmonol, 2010 Jun. PMID 20503287.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (31.46 KDa) .



Detection limit for recombinant GST tagged GPR154 is approximately 0.03ng/ml as a capture antibody.