

5-Hydroxytryptamine Receptor 1A Antibody

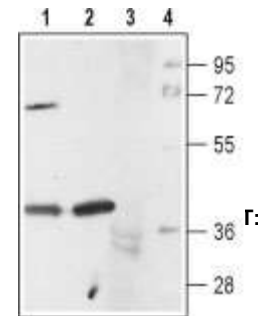
ALTERNATE NAMES:	5-hydroxytryptamine receptor 1A, 5-HT-1A, 5-HT1A, Serotonin receptor 1A, Htr1a, 5ht1a
CATALOG NO. :	A1059-100
AMOUNT:	100 µl
IMMUNOGEN:	Peptide KKSLNGQPGSGDWRRRC, corresponding to amino acid residues 251-266 of rat 5-Hydroxytryptamine Receptor 1A (Accession P19327). 3rd intracellular loop. Will not recognize human 5-Hydroxytryptamine Receptor 1A.
MOLECULAR WEIGHT:	~46 kDa
HOST/ISOTYPE:	Rabbit IgG
CLONALITY:	Polyclonal
FORM:	Liquid
FORMULATION:	Phosphate buffered saline (PBS), pH 7.4, 1% BSA, 0.05% NaN ₃ .
PURIFICATION:	Affinity purified
SPECIES REACTIVITY:	Mouse, Rat
STORAGE CONDITIONS:	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.

DESCRIPTION: Serotonin [5-hydroxytryptamine (5-HT1)] is an important neurotransmitter in the CNS that exerts its neuronal activity via 5-HT receptors. 5-HT receptors are subdivided into seven families termed 5-HT1 through 5-HT7.1 The 5-HT receptor families belong to the G-Protein Coupled receptor superfamily with the exception of 5-HT3 receptor class which belongs to the ligand-gated ion channels. The 5-HT1 receptor class comprises of five different receptors (5-HT1A, 5-HT1B, 5-HT1D, 5-HT1e AND 5-HT1F) which share 41-63% overall sequence identity and couple preferentially to Gi/Go to inhibit cAMP formation. The 5-HT1A receptor is the most widespread of all the 5-HT receptors. In the central nervous system, 5-HT1A receptors exist in the cerebral cortex, hippocampus, septum, amygdala and raphe nucleus in high densities, and was also demonstrated in a variety of tissues from various species. Activation of 5-HT1A receptor decreases blood pressure and heart rate, involved in learning, memory, relieving anxiety and depression. 5-Hydroxytryptamine Receptor 1A

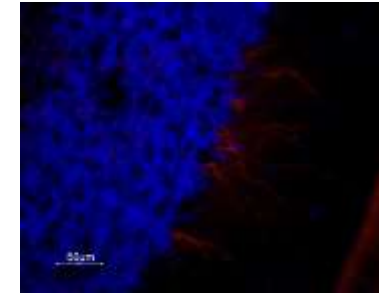
antibody is directed against an intracellular epitope of the rat 5-Hydroxytryptamine Receptor 1A (5-HT1A).

APPLICATION: WB: 1:200-1:2000
IHC: 1:100

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot analysis of mouse brain membrane (lanes 1 and 3) and rat brain membrane (lanes 2 and 4): Anti-5-Hydroxytryptamine Receptor 1A antibody, (1:200)



Expression of 5-HT1A in rat cerebellum
Immunohistochemical staining of rat cerebellum frozen section using Anti-5-Hydroxytryptamine Receptor 1A antibody

RELATED PRODUCTS:

- LGR5 Antibody (Cat. No. A1007-100)
- Beta3-AR Antibody (Cat. No. 3939-200)
- CXCR4 Antibody (Cat. No. 5224-100)
- Adenosine Antibody (Cat. No. 6652--100)
- EDG4 Antibody (N-term) (Cat. No. A1056-100)
- BAR2 Antibody (S261) (Cat. No. A1057-100)
- 2-Methyl-5-hydroxytryptamine hydrochloride (Cat. No. 2768-100)

FOR RESEARCH USE ONLY! Not to be used on humans.