

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human 5-HT6 in direct ELISAs.
Source	Monoclonal Rabbit IgG Clone # 2157A
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human 5-HT6 peptide Accession # P50406
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

5-HT6 is a seven transmembrane G-protein coupled 1 receptor for serotonin, with 93% homology between human and rat, and with highest expression in neurons of the striatum, cortex and hippocampus. Expression in cultured primary astrocytes from rats and glia has also been demonstrated for most brain regions. Expression in lymph node, spleen and testis has also been observed. High affinity for psychotropic drugs including tricyclic antidepressants and antipsychotics and high expression in the limbic regions suggest a role for 5-HT6 in emotional behaviors and mental illness. Lower expression of 5-HT6 in cortical layers I-V have been observed in Alzheimer's Disease brains.

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