

Rabbit 5-HT-6 Polyclonal Antibody | anti-5-HT-6 antibody

5-HT-6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324194	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

5-HT-6; Polyclonal Antibody; 5-HT-6 Antibody; 5 HT 6; 5 HT6; 5 HT6R; 5 hydroxytryptamine (serotonin) receptor 6 G protein coupled; 5 hydroxytryptamine 6 receptor; 5 hydroxytryptamine receptor 6; 5-HT6; 5-hydroxytryptamine receptor 6; 5HT 6; 5HT6R_HUMAN; HTR 6; Htr6; Serotonin receptor 6; anti-5-HT-6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	5-HT-6 antibody detects endogenous levels of total 5-HT-6
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	440
Applicable Applications for anti-5-HT-6 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	Expressed in several human brain regions, most prominently in the caudate nucleus.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from A549 cells, using 5-HT-6 antibody.



IF (Immunofluorescence)

AAA324194 staining A549 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-5-HT-6 antibody	Function: This is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. The activity of this receptor is mediated by G proteins that stimulate adenylate cyclase. It has a high affinity for tricyclic psychotropic drugs (By similarity). Controls pyramidal neurons migration during corticogenesis, through the regulation of CDK5 activity (By similarity). Is an activator of TOR signaling (PubMed:23027611). Subunit Structure: Interacts with MTOR, RPTOR and NF1 (PubMed:23027611). Interacts with CDK5 (By similarity). Similarity: Belongs to the G-protein coupled receptor 1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504545
NCBI GeneID	3362
NCBI Accession #	NP_000862.1
NCBI GenBank Nucleotide #	NM_000871.2
UniProt Accession #	P50406; Q13640; Q5TGZ1
Molecular Weight	Observed: 47 kD Predicted: 47 kDa
NCBI Official Full Name	5-hydroxytryptamine receptor 6
NCBI Official Synonym Full Names	5-hydroxytryptamine receptor 6
NCBI Official Symbol	HTR6
NCBI Official Synonym Symbols	5-HT6; 5-HT6R
NCBI Protein Information	5-hydroxytryptamine receptor 6
UniProt Protein Name	5-hydroxytryptamine receptor 6
UniProt Gene Name	HTR6
UniProt Synonym Gene Names	5-HT-6; 5-HT6

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.