Immunotag™ SR-7 Polyclonal Antibody

Antibody Specification

Catalog No.	ITT4409
Product Description	Immunotag™ SR-7 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SR-7
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	IF,ELISA
Recommended Dilution	Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from SR-7, at AA range: 370-450
Specificity	SR-7 Polyclonal Antibody detects endogenous levels of SR-7 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	HTR7
Accession No.	P34969 P32304 P32305
Alternate Names	HTR7; 5-hydroxytryptamine receptor 7; 5-HT-7; 5-HT7; 5-HT-X; Serotonin receptor 7

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Description	5-hydroxytryptamine receptor 7(HTR7) Homo sapiens The neurotransmitter, serotonin, is thought to play a role in various cognitive and behavioral functions. The serotonin receptor encoded by this gene belongs to the superfamily of G protein-coupled receptors and the gene is a candidate locus for involvement in autistic disorder and other neuropsychiatric disorders. Three splice variants have been identified which encode proteins that differ in the length of their carboxy terminal ends. [provided by RefSeq, Jul 2008],
Cell Pathway/ Category	Calcium,Neuroactive ligand-receptor interaction,
Protein Expression	Brain,Fetal brain,Placenta,Testis,
Subcellular Localization	plasma membrane,integral component of plasma membrane,dendrite,
Protein Function	Isoform A and isoform B appear to be expressed at higher levels,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.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Isoform A is the predominant isoform in spleen, caudate and hippocampus. Isoform B is expressed at lower levels, and isoform D is a minor isoform.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.