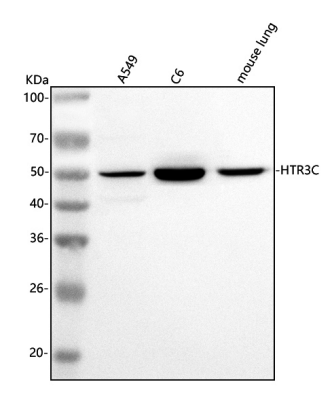
HTR3C Antibody – Rabbit Polyclonal

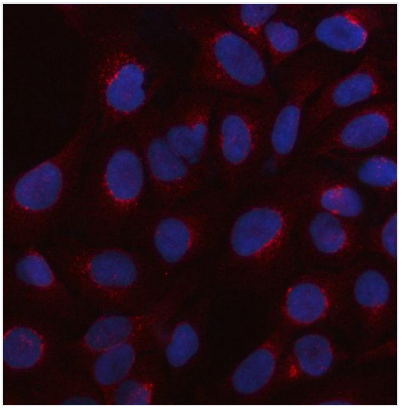
PRODUCT OVERVIEW

Product Name	HTR3C, Polyclonal Antibody
Full Product Name	Anti-HTR3C Antibody Picoband
Product Gene Name	anti-HTR3C antibody
Product Synonym Names	Serine/threonine-protein kinase AtPK1/AtPK6; 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Purity/Purification	Immunogen affinity purified.
Specificity	Expressed in all tissues.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.
Molecular Weight	50,220 Da
Chromosome Location	Chromosome: 3; NC_000003.11 (183770835..183778461). Location: 3q27.1
OMIM	610121
3D Structure	ModBase 3D Structure for Q8WXA8
Immunogen	E coli-derived human HTR3C recombinant protein (Position: D79-Q417).
Subcellular Localization	Cytoplasm, Nucleus
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross reactivity with other proteins.
Protein Function	Downstream effector of TOR signaling pathway involved in osmotic stress response. Could be involved in the control of plant growth and development. Phosphorylates the ribosomal proteins P14, P16 and S6. Functions as a repressor of cell proliferation and required for maintenance of chromosome stability and ploidy levels through the RBR1-E2F pathway.
Product Categories/Family for anti-HTR3C antibody	Primary Antibodies; Signal Transduction; Signaling Pathway; Small G Proteins
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-HTR3C antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunofluorescence (IF), ELISA (EIA)

Application Notes for anti-HTR3C antibody	WB: 0.25-0.5ug/ml, Human, Mouse, Rat ICC/IF: 5ug/ml, Human ELISA: 0.1-0.5ug/ml
Related Product Information for anti-HTR3C antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product References and Citations for anti-HTR3C antibody	1. Karnovsky, A. M., Gotow, L. F., McKinley, D. D., Piechan, J. L., Ruble, C. L., Mills, C. J., Schellin, K. A. B., Slightom, J. L., Fitzgerald, L. R., Benjamin, C. W., Roberds, S. L. A cluster of novel serotonin receptor 3-like genes on human chromosome 3. Gene 319: 137-148, 2003.2. Niesler, B., Frank, B., Kapeller, J., Rappold, G. A. Cloning, physical mapping and expression analysis of the human 5-HT(3) serotonin receptor-like genes HTR3C, HTR3D and HTR3E. Gene 310: 101-111, 2003.
Other Notes	Small volumes of anti-HTR3C antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HTR3C purchase	MBS1759126 is an antibody targeting HTR3C. Also known as Anti-HTR3C Antibody Picoband. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-HTR3C antibody
Figure 1. Western blot analysis of HTR3C using anti-HTR3C antibody (MBS1759126).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human A549 whole cell lysates,Lane 2: rat C6 whole cell lysates,Lane 3: mouse lung tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-HTR3C antigen affinity purified polyclonal antibody (#MBS1759126) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (#MBS176460) with Tanon 5200 system. A specific band was detected for HTR3C at approximately 50 kDa. The expected band size for HTR3C is at 50 kDa.



Immunofluorescence (IF) of anti-HTR3C antibody
Figure 2. IF analysis of HTR3C using anti-HTR3C antibody (MBS1759126).HTR3C was detected in an immunocytochemical section of U20S cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (#MBS176582) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-HTR3C Antibody (MBS1759126) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HTR3C. It may not necessarily be applicable to this product.

NCBI GI #	47519867
NCBI GeneID	170572
NCBI Accession #	NP_570126.2
UniProt Primary Accession #	Q8WXA8
UniProt Secondary Accession #	A2RRR5
UniProt Related Accession #	Q8WXA8
GenBank Nucleotide #	NM_130770.2

NCBI Official Full Name	5-hydroxytryptamine receptor 3C
NCBI Official Synonym Full Names	5-hydroxytryptamine (serotonin) receptor 3C, ionotropic
NCBI Official Symbol	HTR3C
UniProt Protein Name	5-hydroxytryptamine receptor 3C
UniProt Synonym Protein Names	Serotonin receptor 3C
Protein Family	5-hydroxytryptamine receptor
UniProt Gene Name	HTR3C
UniProt Synonym Gene Names	5-HT3-C; 5-HT3C
UniProt Entry Name	5HT3C_HUMAN
NCBI Protein Information	5-hydroxytryptamine receptor 3C; 5-HT3C; 5-HT3-C; serotonin receptor 3C; 5-hydroxytryptamine receptor 3 subunit C; 5-hydroxytryptamine (serotonin) receptor 3, family member C
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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