MACOI Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MACOI, Polyclonal Antibody
Full Product Name	MACOI, NT (TMEM57, Macoilin, Transmembrane protein 57) (MaxLight 405)
Product Gene Name	anti-MACOI antibody
Product Synonym Gene Name	TMEM57
Product Synonym Names	TMEM57; Macoilin; Transmembrane protein 57
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	76,178 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (25757388..25826700). Location: 1p36.11; 1p36.11
OMIM	610301
3D Structure	ModBase 3D Structure for Q8N5G2
Immunogen	MACOI antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between amino acid 240-270 from the N-terminal region of human MACOI.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-MACOI antibody	Antibodies; Transmembrane Proteins
Applications Tested/Suitable for anti-MACOI antibody	Flow Cytometry (FC/FACS), FLISA, Western Blot (WB)
Application Notes for anti-MACOI antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-MACOI antibody	MaxLight405 is a new Violet photostable dye conjugate comparable to Alexa Fluor 405, PacificBlue, Brilliant Violet 421 and offers better labeling efficiency, brighter imaging and increased immunodetection. Absorbance (400nm); Emission (423nm); Extinction Coefficient 32,000.
Product References and Citations for anti-MACOI antibody	ulchenko, Y.S., et al. Nat. Genet. 41(1):47-55(2009). Kuvbachieva, A., et al. Eur. J. Neurosci. 20(3):603-610(2004). Colland, F., et al. Genome Res. 14(7):1324-1332(2004).

Other Notes	Small volumes of anti-MACOI 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 MACOI purchase	MBS6317895 is an antibody targeting MACOI. Also known as MACOI, NT (TMEM57, Macoilin, Transmembrane protein 57) (MaxLight 405). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	21595329
NCBI GeneID	55219
NCBI Accession #	AAH32427.1
UniProt Primary Accession #	Q8N5G2
UniProt Secondary Accession #	Q2TLX5; Q2TLX6; Q9NVG6; B1AK00
UniProt Related Accession #	Q8N5G2
NCBI Official Full Name	Transmembrane protein 57
NCBI Official Synonym Full Names	transmembrane protein 57
NCBI Official Symbol	TMEM57
NCBI Official Synonym Symbols	MACOILIN; RP3-469D22.2
UniProt Protein Name	Macoilin
UniProt Synonym Protein Names	Transmembrane protein 57
Protein Family	Macoilin
UniProt Gene Name	TMEM57
UniProt Entry Name	MACOI_HUMAN
NCBI Protein Information	macoilin
UniProt Comments for MACOI	Subcellular location: Nucleus membrane; Multi-pass membrane protein By similarity. Cell projection › axon By similarity. Note: Detected in the nucleus membrane of non-neuronal cells and in axonal outgrowths of neuronal cells By similarity. Sequence similarities: Belongs to the macoilin family.
Research Articles on MACOI	**1.** Observational study of gene-disease association, gene-environment interaction, and pharmacogenomic / toxicogenomic. (HuGE Navigator)
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