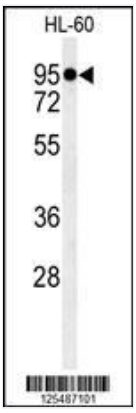
MACOI Antibody – Rabbit Polyclonal

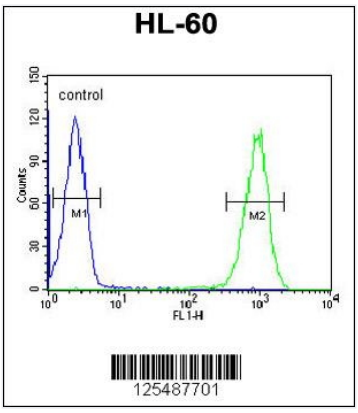
PRODUCT OVERVIEW

Product Name	MACOI, Polyclonal Antibody
Full Product Name	MACOI, NT (TMEM57, Macoilin, Transmembrane protein 57) (Biotin)
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 Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and 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	Biotin
Note	Preservative Free
Product Categories/Family for anti-MACOI antibody	Antibodies; Transmembrane Proteins
Applications Tested/Suitable for anti-MACOI antibody	Flow Cytometry (FC/FACS), ELISA (EIA), Western Blot (WB)
Application Notes for anti-MACOI antibody	FC/FACS: 1:10-50 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-MACOI antibody	MBS6317892 is an antibody targeting MACOI. Also known as MACOI, NT (TMEM57, Macoilin, Transmembrane protein 57) (Biotin). Reactive in Human. Host: Rabbit.
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.



Western Blot (WB) of anti-MACOI antibody
Western blot analysis of MACOI Antibody (N-term) in HL-60 cell line lysates (35ug/lane). MACOI (arrow) was detected using the purified Pab.



Flow Cytometry (FC/FACS) of anti-MACOI antibody
MACOI Antibody (N-term) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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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Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/macoi/6317892