SC4MOL Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SC4MOL, Polyclonal Antibody
Full Product Name	SC4MOL antibody
Product Gene Name	anti-SC4MOL antibody
Product Synonym Names	Polyclonal SC4MOL; Anti-SC4MOL; SCMOL-4; Sterol-C4-Methyl Oxidase-Like; SCMOL 4; MGC104344; ERG25; DESP4; SC4MOL
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Lyophilized powder. Add 100ul distilled water for a 1mg/ml concentration of SC4MOL antibody in PBS
Purity/Purification	Total IgG Protein A purified
Concentration	1 mg/ml (lot specific)
Specificity	SC4MOL antibody was raised against the N terminal of SC4MOL
Preparation and Storage	Store at 2-8 degree C for short periods. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Molecular Weight	35 kDa (MW of target protein)
OMIM	607545
Cross-Reactivity	Human,Mouse
Immunogen	SC4MOL antibody was raised using the N terminal of SC4MOL corresponding to a region with amino acids MATNESVSIFSSASLAVEYVDSLLPENPLQEPFKNAWNYMLNNYTKFQIA
Product Categories/Family for anti-SC4MOL antibody	Hormones & Steroids; Purified Polyclonal Antibodies
Applications Tested/Suitable for anti-SC4MOL antibody	Western Blot (WB)
Application Notes for anti-SC4MOL antibody	WB: 5 ug/ml
Related Product Information for anti-SC4MOL antibody	MBS839658 is an antibody targeting SC4MOL. Also known as SC4MOL antibody. Reactive in Human, Mouse. Host: Rabbit. Rabbit polyclonal SC4MOL antibody raised against the N terminal of SC4MOL
Other Notes	Small volumes of anti-SC4MOL 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SC4MOL. It may not necessarily be applicable to this product.

NCBI GI #	119625226
NCBI GeneID	6307
NCBI Accession #	EAX04821.1

UniProt Secondary Accession #	Q32Q24; A8K8Q3; A8MYF6; D3DP32
UniProt Related Accession #	Q15800
NCBI Official Full Name	sterol-C4-methyl oxidase-like, isoform CRA_a
NCBI Official Synonym Full Names	methylsterol monooxygenase 1
NCBI Official Symbol	MSMO1
NCBI Official Synonym Symbols	DESP4; ERG25; SC4MOL
UniProt Protein Name	Methylsterol monooxygenase 1
UniProt Synonym Protein Names	C-4 methylsterol oxidase
UniProt Gene Name	MSMO1
UniProt Synonym Gene Names	DESP4; ERG25; SC4MOL
UniProt Entry Name	MSMO1_HUMAN
NCBI Protein Information	methylsterol monooxygenase 1
NCBI Summary for SC4MOL	Sterol-C4-mehtyl oxidase-like protein was isolated based on its similarity to the yeast ERG25 protein. It contains a set of putative metal binding motifs with similarity to that seen in a family of membrane desaturases-hydroxylases. The protein is localized to the endoplasmic reticulum membrane and is believed to function in cholesterol biosynthesis. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for SC4MOL	SC4MOL: Sterol-C4-mehtyl oxidase-like protein was isolated based on its similarity to the yeast ERG25 protein. It contains a set of putative metal binding motifs with similarity to that seen in a family of membrane desaturases-hydroxylases. The protein is localized to the endoplasmic reticulum membrane and is believed to function in cholesterol biosynthesis. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008] Protein type: Oxidoreductase; Endoplasmic reticulum; EC 1.14.13.72; Membrane protein, multi-pass; Lipid Metabolism - steroid biosynthesis; Membrane protein, integral Chromosomal Location of Human Ortholog: 4q32-q34 Cellular Component: endoplasmic reticulum membrane; endoplasmic reticulum; plasma membrane; integral to membrane Molecular Function: C-4 methylsterol oxidase activity; iron ion binding Biological Process: steroid metabolic process; fatty acid metabolic process; cholesterol biosynthetic process; fatty acid biosynthetic process
Research Articles on SC4MOL	**1.** SC4MOL is situated within the psoriasis susceptibility locus PSORS9, and may be a genetic risk factor for common skin conditions. [review]
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/sc4mol/839658