



MSMO1 mouse mAb

Catalog No	YP-mAb-12077
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MSMO1 DESP4 ERG25 SC4MOL
Immunogen	Synthesized peptide derived from human MSMO1 AA range: 212-262
Specificity	This antibody detects endogenous levels of MSMO1 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DESP4;ERG25;MSMO1;MSMO1 DESP4 ERG25 SC4MOL
Observed Band	32kD
Calculated Molecular Weight	32kD
Cell Pathway	Endoplasmic reticulum membrane ; Multi-pass membrane protein .
Tissue Specificity	
Function	catalytic activity:3-beta-hydroxy-4-beta-methyl-5-alpha-cholest-7-ene-4-alpha-carbaldehyde + NAD(P)H + O(2) = 3-beta-hydroxy-4-beta-methyl-5-alpha-cholest-7-ene-4-alpha-carboxylate + NAD(P)(+) + H(2)O.,catalytic activity:4,4-dimethyl-5-alpha-cholest-7-en-3-beta-ol + NAD(P)H + O(2) = 4-beta-hydroxymethyl-4-alpha-methyl-5-alpha-cholest-7-en-3-beta-ol + NAD(P)(+) + H(2)O.,catalytic activity:4-beta-hydroxymethyl-4-alpha-methyl-5-alpha-cholest-7-en-3-beta-ol + NAD(P)H + O(2) = 3-beta-hydroxy-4-beta-methyl-5-alpha-cholest-7-ene-4-alpha-carbaldehyde + NAD(P)(+) + 2 H(2)O.,cofactor:Iron.,domain:The histidine box domains may contain the active site and/or be involved in metal ion binding.,pathway:Steroid biosynthesis; zymosterol biosynthesis; zymosterol from lanosterol: step 3/6.,similarity:Belongs to the sterol desaturase family.,



Background

Sterol-C4-methyl 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],

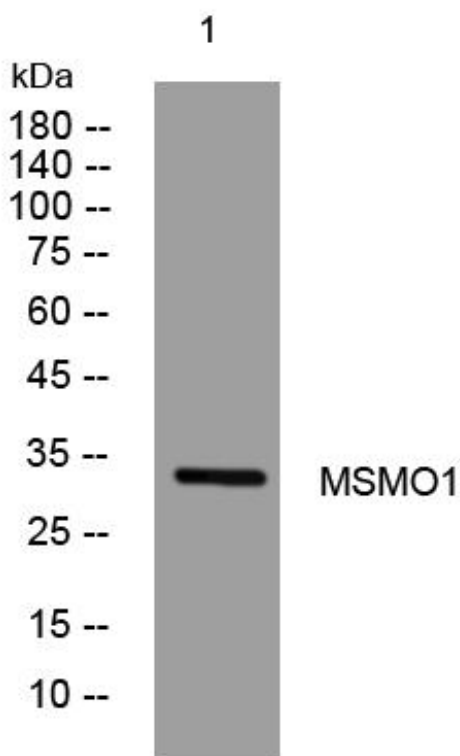
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using MSMO1 mouse mAb