

## MSMO1 rabbit pAb

<b>Catalog No :</b>	YT7443
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC
<b>Target :</b>	MSMO1
<b>Fields :</b>	>>Steroid biosynthesis;>>Metabolic pathways
<b>Gene Name :</b>	MSMO1 DESP4 ERG25 SC4MOL
<b>Protein Name :</b>	MSMO1
<b>Human Gene Id :</b>	6307
<b>Human Swiss Prot No :</b>	Q15800
<b>Mouse Gene Id :</b>	66234
<b>Mouse Swiss Prot No :</b>	Q9CRA4
<b>Rat Gene Id :</b>	140910
<b>Rat Swiss Prot No :</b>	O35532
<b>Immunogen :</b>	Synthesized peptide derived from human MSMO1 AA range: 212-262
<b>Specificity :</b>	This antibody detects endogenous levels of MSMO1 at Human/Mouse/Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000;IHC 1:50-300
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year (Do not lower than -25°C)

**Molecularweight :** 32kD

**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],

**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.,

**Subcellular Location :** Endoplasmic reticulum membrane ; Multi-pass membrane protein .

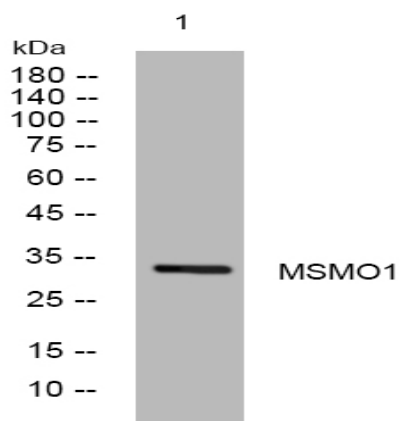
**Sort :** 10299

**No4 :** 1

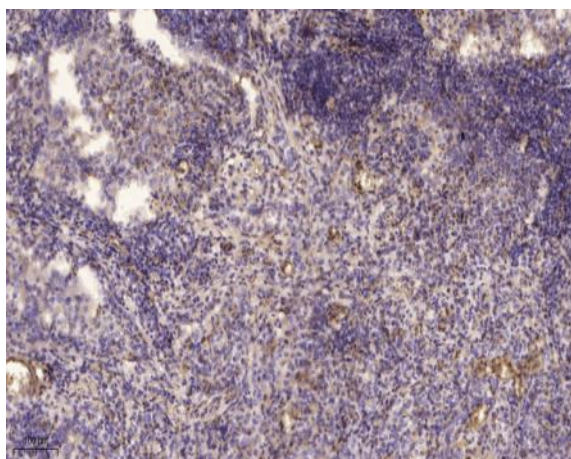
**Host :** Rabbit

**Modifications :** Unmodified

## Products Images



Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human lung cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).