DATASHEET

MSMO1 Rabbit Polyclonal Antibody

CAT. NO. APA19580

KEY FEATURES

Target	MSMO1	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB,IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at -20°C

BACKGROUND

MSMO1 (methylsterol monooxygenase 1) encodes a sterol-C4-methyl oxidase-like protein that localizes to the endoplasmic reticulum membrane and functions in cholesterol biosynthesis. The protein contains putative metal-binding motifs similar to those found in membrane desaturases and hydroxylases. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	Rabbit polyclonal antibody to MSMO1
Specificity	Recognizes endogenous levels of MSMO1 protein
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MSMO1. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 35 kD; Observed: 35 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	DESP4; ERG25; SC4MOL; Methylsterol monooxygenase 1; C-4 methylsterol oxidase
Gene Symbol	MSMO1
Entrez Gene	6307(Human); 66234(Mouse); 140910(Rat)
SwissProt	Q15800(Human); Q9CRA4(Mouse); O35532(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

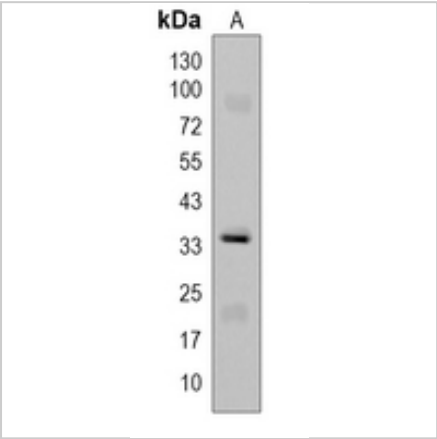
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

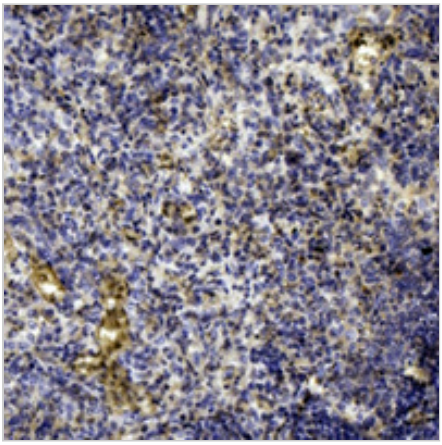
MSMO1 Rabbit Polyclonal Antibody

CAT. NO. APA19580

DATA



Western blot analysis of MSMO1 expression in KB (A) whole cell lysates. (Predicted band size: 35 kD; Observed band size: 35 kD)



Immunohistochemical analysis of MSMO1 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com