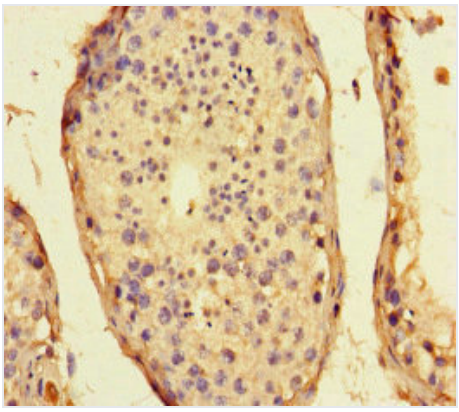
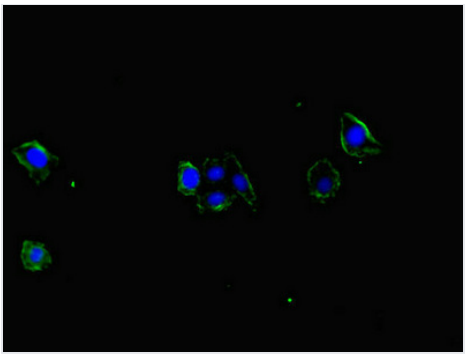
SMIM1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SMIM1, Polyclonal Antibody
Full Product Name	SMIM1 Antibody
Product Gene Name	anti-SMIM1 antibody
Product Synonym Names	Small integral membrane protein 1; Vel blood group antigen; SMIM1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: SMIM1 (MBS7044718) FITC Conjugated Antibody: SMIM1 (MBS7045207)
Matching Pairs	Unconjugated Antibody: SMIM1 (MBS7044718) Biotin Conjugated Antibody: SMIM1 (MBS7045537)
Matching Pairs	Unconjugated Antibody: SMIM1 (MBS7044718) HRP Conjugated Antibody: SMIM1 (MBS7045742)
OMIM	615242
3D Structure	ModBase 3D Structure for B2RUZ4
Species	Human
Immunogen	Species Homo sapiens (Human)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SMIM1 antibody	ELISA (EIA), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-SMIM1 antibody	IHC:1:20-1:200, IF:1:50-1:200
Related Product Information for anti-SMIM1 antibody	MBS7044718 is an antibody targeting SMIM1. Also known as SMIM1 Antibody. Reactive in Human. Host: Rabbit. Regulator of red blood cells formation.
Other Notes	Small volumes of anti-SMIM1 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.



Immunohistochemistry (IHC) of anti-SMIM1 antibody
Immunohistochemistry of paraffin-embedded human testis tissue using MBS7044718 at dilution of 1:100



Immunofluorescence (IF) of anti-SMIM1 antibody
Immunofluorescent analysis of HepG2 cells using MBS7044718 at a dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SMIM1. It may not necessarily be applicable to this product.

NCBI GI #	254910960
NCBI GeneID	388588
NCBI Accession #	NP_001157196.1
UniProt Primary Accession #	B2RUZ4
UniProt Related Accession #	B2RUZ4
GenBank Nucleotide #	NM_001163724.2
NCBI Official Full Name	small integral membrane protein 1
NCBI Official Synonym Full Names	small integral membrane protein 1 (Vel blood group)
NCBI Official Symbol	SMIM1
NCBI Official Synonym Symbols	Vel
UniProt Protein Name	Small integral membrane protein 1
UniProt Synonym Protein Names	Vel blood group antigen
Protein Family	Small integral membrane protein
UniProt Gene Name	SMIM1
UniProt Entry Name	SMIM1_HUMAN
NCBI Protein Information	small integral membrane protein 1
NCBI Summary for SMIM1	This gene encodes a small, conserved protein that participates in red blood cell formation. The encoded protein is localized to the cell membrane and is the antigen for the Vel blood group. Alternative splicing results in different transcript variants that encode the same protein. [provided by RefSeq, Dec 2013]
UniProt Comments for SMIM1	SMIM1: Belongs to the SMIM family. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 1p36.32 Disease: Blood Group, Vel System
Research Articles on SMIM1	**1.** SMIM1 carries the Vel antigen as a type II membrane protein with a predicted C-terminal extracellular domain of only 3-12 amino acids

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.
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