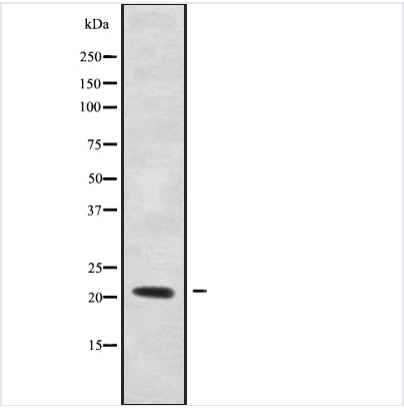
RHOXF1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RHOXF1, Polyclonal Antibody
Full Product Name	RHOXF1 Antibody
Product Gene Name	anti-RHOXF1 antibody
Product Synonym Names	homeobox protein, PEPP subfamily, 1; OTEX; Ovary, testis and epididymis expressed gene protein; Ovary-; Paired like homeobox protein OTEX; Paired like homeobox protein PEPP 1; Paired-like homeobox protein PEPP-1; PEPP subfamily gene 1; PEPP1; Rhox homeobox family member 1; RHOXF1; RHXF1_HUMAN; testis-and epididymis-expressed gene protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	RHOXF1 antibody detects endogenous levels of total RHOXF1
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	RHOXF1 peptide (MBS9628889) is used for blocking the activity of RHOXF1 antibody (MBS9610185)
Molecular Weight	Observed: 21 kDa Predicted: 21 kDa
3D Structure	ModBase 3D Structure for Q8NHV9
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human RHOXF1
Subcellular Location	Nucleus
Tissue Specificity	Ovary, testis and epididymis. Also detected in the prostate and the mammary gland. Expressed in many tumor cell lines derived from acute lymphocytic leukemia, prostate, endometrial adenocarcinoma, melanoma, bladder carcinoma, colon carcinoma, erythroleukemia and breast carcinoma. Not expressed in placenta. In testis, mainly expressed in germ cells, but also detected in somatic cells such as Sertoli cells, Leydig cells and peritubular cells (PubMed:28171660).
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-RHOXF1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-RHOXF1 antibody	WB: 1:1000-3000

Related Product Information for anti-RHOXF1 antibody	Function: Transcription factor maybe involved in reproductive processes. Modulates expression of target genes encoding proteins involved in processes relevant to spermatogenesis. Subunit Structure: Does not interact with itself. Similarity: Mutagenesis of amino acids 147 to 164 and 155 to 164 lead to a major cytoplasmic localization, with only minor localization in the nucleus. Belongs to the paired-like homeobox family. PEPP subfamily.
Other Notes	Small volumes of anti-RHOXF1 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.
Searchable Terms for RHOXF1 purchase	MBS9610185 is an antibody targeting RHOXF1. Also known as RHOXF1 Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-RHOXF1 antibody
Western blot analysis of RHOXF1 using LOVO whole cell lysates

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RHOXF1. It may not necessarily be applicable to this product.

NCBI GI #	23943886
NCBI GeneID	158800
NCBI Accession #	NP_644811.1
UniProt Primary Accession #	Q8NHV9
UniProt Secondary Accession #	O95030; Q3SYE0
UniProt Related Accession #	Q8NHV9
GenBank Nucleotide #	NM_139282.2
NCBI Official Full Name	rhox homeobox family member 1
NCBI Official Synonym Full Names	Rhox homeobox family member 1
NCBI Official Symbol	RHOXF1
NCBI Official Synonym Symbols	OTEX; PEPP1
UniProt Protein Name	Rhox homeobox family member 1
UniProt Synonym Protein Names	Ovary-, testis- and epididymis-expressed gene protein; Paired-like homeobox protein PEPP-1
Protein Family	Rhox homeobox family
UniProt Gene Name	RHOXF1
NCBI Protein Information	rhox homeobox family member 1

NCBI Summary for RHOXF1	This gene is a member of the PEPP subfamily of paired-like homoebox genes. The gene may be regulated by androgens and epigenetic mechanisms. The encoded nuclear protein is likely a transcription factor that may play a role in human reproduction. [provided by RefSeq, Dec 2012]
UniProt Comments for RHOXF1	Transcription factor maybe involved in reproductive processes. Modulates expression of target genes encoding proteins involved in processes relevant to spermatogenesis.
Research Articles on RHOXF1	**1.** Authors demonstrate how the X-linked RHOX gene cluster may function in normal human spermatogenesis and provide evidence that it is impaired in human male fertility.
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