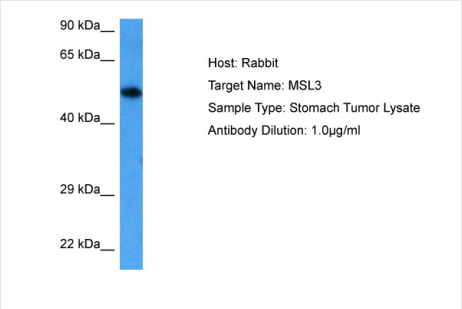
MSL3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MSL3, Polyclonal Antibody
Full Product Name	MSL3 Antibody - C-terminal region
Product Gene Name	anti-MSL3 antibody
Product Synonym Gene Name	MSL3L1
Immunogen Sequence	Synthetic peptide located within the following region: STRHSANCDR LSESSASPQP KRRQQDTSAS MPKLFLHLEK KTPVHSRSSS
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 29% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	MSL3 peptide (MBS3244846) is used for blocking the activity of MSL3 antibody (MBS3220003)
Molecular Weight	57 kDa
OMIM	300609
3D Structure	ModBase 3D Structure for Q8N5Y2
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human MSL3
Product Categories/Family for anti-MSL3 antibody	Polyclonal; Transcription Factor; Cell Biology; Chromatin & Nuclear Signaling; Mitochondria; Signal Transduction; Epigenetics; E3 & Ubiquitin
Applications Tested/Suitable for anti-MSL3 antibody	Western Blot (WB)
Related Product Information for anti-MSL3 antibody	This gene encodes a nuclear protein that is similar to the product of the Drosophila male-specific lethal-3 gene. The Drosophila protein plays a critical role in a dosage-compensation pathway, which equalizes X-linked gene expression in males and females. Thus, the human protein is thought to play a similar function in chromatin remodeling and transcriptional regulation, and it has been found as part of a complex that is responsible for histone H4 lysine-16 acetylation. This gene can undergo X inactivation. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 2, 7 and 8.
Other Notes	Small volumes of anti-MSL3 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 MSL3 purchase	MBS3220003 is an antibody targeting MSL3. Also known as MSL3 Antibody - C-terminal region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-MSL3 antibody
Host: RabbitTarget Name: MSL3Sample Tissue: Human Stomach Tumor lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MSL3. It may not necessarily be applicable to this product.

NCBI GI #	212275945
NCBI GeneID	10943
NCBI Accession #	NP_523353
UniProt Primary Accession #	Q8N5Y2
UniProt Related Accession #	Q8N5Y2
GenBank Nucleotide #	NM_001193270.2
NCBI Official Full Name	male-specific lethal 3 homolog isoform a
NCBI Official Synonym Full Names	MSL complex subunit 3
NCBI Official Symbol	MSL3
NCBI Official Synonym Symbols	MSL3L1
UniProt Protein Name	Male-specific lethal 3 homolog
UniProt Synonym Protein Names	Male-specific lethal-3 homolog 1; Male-specific lethal-3 protein-like 1
Protein Family	Male-specific lethal
UniProt Gene Name	MSL3
UniProt Synonym Gene Names	MSL3L1; MSL3-like 1
UniProt Entry Name	MS3L1_HUMAN
NCBI Protein Information	male-specific lethal 3 homolog

UniProt Comments for MSL3	MSL3L1: May be involved in chromatin remodeling and transcriptional regulation. May have a role in X inactivation. Component of the MSL complex which is responsible for the majority of histone H4 acetylation at 'Lys-16' which is implicated in the formation of higher-order chromatin structure. Specifically recognizes histone H4 monomethylated at 'Lys-20' (H4K20Me1) in a DNA-dependent manner and is proposed to be involved in chromosomal targeting of the MSL complex. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription factor Chromosomal Location of Human Ortholog: Xp22.3 Cellular Component: nucleoplasm; nucleus Molecular Function: DNA binding; transcription factor activity; methylated histone residue binding Biological Process: transcription from RNA polymerase II promoter; establishment and/or maintenance of chromatin architecture; regulation of transcription, DNA-dependent; multicellular organismal development
Research Articles on MSL3	**1.** MSL3 plays an important role in targeting the male specific lethal complex to chromatin in both humans and flies by binding to H4K20Me(1).
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