

MSL3 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17736a

Specification

MSL3 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q8N5Y2
Other Accession	Q9WVG9 , NP_001180199.1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	59824
Antigen Region	28-55

MSL3 Antibody (N-term) - Additional Information

Gene ID 10943

Other Names

Male-specific lethal 3 homolog, Male-specific lethal-3 homolog 1, Male-specific lethal-3 protein-like 1, MSL3-like 1, MSL3, MSL3L1

Target/Specificity

This MSL3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 28-55 amino acids from the N-terminal region of human MSL3.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MSL3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MSL3 Antibody (N-term) - Protein Information

Name MSL3

Synonyms MSL3L1

Function Has a role in chromatin remodeling and transcriptional regulation (PubMed:[20018852](#), PubMed:[20657587](#), PubMed:[20943666](#), PubMed:[21217699](#), PubMed:[30224647](#)). Has a role in X inactivation (PubMed:[21217699](#)). 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 (PubMed:[16227571](#), PubMed:[20657587](#), PubMed:[16543150](#), PubMed:[30224647](#)). 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 (PubMed:[20657587](#), PubMed:[20943666](#)).

Cellular Location

Nucleus.

Tissue Location

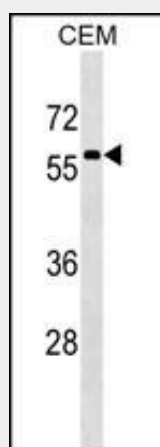
Expressed in many tissues including liver, pancreas, heart, lung, kidney, skeletal muscle, brain, and placenta, with highest expression in skeletal muscle and heart

MSL3 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MSL3 Antibody (N-term) - Images



MSL3 Antibody (N-term) (Cat. #AP17736a) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the MSL3 antibody detected the MSL3 protein (arrow).

MSL3 Antibody (N-term) - Background

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.

MSL3 Antibody (N-term) - References

Smith, E.R., et al. Mol. Cell. Biol. 25(21):9175-9188(2005)
Marin, I., et al. Mol. Biol. Evol. 17(8):1240-1250(2000)
Prakash, S.K., et al. Genomics 59(1):77-84(1999)