10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MTL5 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18102b

Specification

MTL5 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9Y4I5
Other Accession	NP_001034745.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**55025**
Antigen Region	**341-368**

MTL5 Antibody (C-term) - Additional Information

Gene ID 9633

Other Names
Tesmin, Metallothionein-like 5, testis-specific, Testis-specific metallothionein-like protein, MTL5

Target/Specificity
This MTL5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 341-368 amino acids from the C-terminal region of human MTL5.

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
MTL5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MTL5 Antibody (C-term) - Protein Information

Name TESMIN (HGNC:7446)

Synonyms MTL5

Function Essential for normal spermatogenesis and male fertility (By similarity). Required for the completion of meiosis in male germ cells (By similarity).

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:Q9WTJ6}. Nucleus {ECO:0000250|UniProtKB:Q9WTJ6}. Note=Predominantly localized to the cytoplasm. Translocates from the cytoplasm to the nucleus in the G2/M transition upon treatment with cadmium, cobalt or zinc {ECO:0000250|UniProtKB:Q9WTJ6}

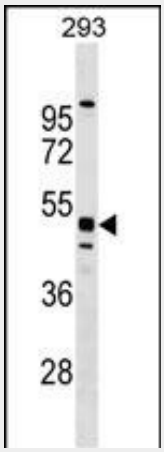
Tissue Location
Expressed specifically in testis.

MTL5 Antibody (C-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 Cytomety
- Cell Culture

MTL5 Antibody (C-term) - Images



MTL5 Antibody (C-term) (Cat. #AP18102b) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the MTL5 antibody detected the MTL5 protein (arrow).

MTL5 Antibody (C-term) - Background

Metallothionein proteins are highly conserved low-molecular-weight cysteine-rich proteins that are induced by and bind to heavy metal ions and have no enzymatic activity. They may play a central role in the regulation of cell growth and differentiation and are involved in spermatogenesis. This gene encodes a metallothionein-like protein which has been shown to be expressed differentially in mouse testis and ovary. Two transcript variants encoding different isoforms have been found for this gene.

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