

MAEL/CT128 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP57179

Specification

MAEL/CT128 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession <u>Q96IY0</u>

Reactivity Rat, Pig, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 49219

MAEL/CT128 Polyclonal Antibody - Additional Information

Gene ID 84944

Other Names

Protein maelstrom homolog, MAEL

Dilution

WB~~1:1000<br \><span class
="dilution_IHC-P">IHC-P~~N/A<br \><span class
="dilution_IHC-F">IHC-F~~N/A<br \><span class
="dilution_IF">IF~~1:50~200<br \>ICC~~N/A<br \>ICC~~N/A<br \>ICC~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

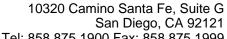
MAEL/CT128 Polyclonal Antibody - Protein Information

Name MAEL

Function

Plays a central role during spermatogenesis by repressing transposable elements and preventing their mobilization, which is essential for the germline integrity. Acts via the piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposons. Its association with piP-bodies suggests a participation in the secondary piRNAs metabolic process. Required for the localization of germ-cell factors to the meiotic nuage (By similarity).

Cellular Location





Tel: 858.875.1900 Fax: 858.875.1999

Cytoplasm {ECO:0000250|UniProtKB:Q8BVN9}. Nucleus {ECO:0000250|UniProtKB:Q8BVN9}. Note=Component of the meiotic nuage, also named P granule, a germ-cell-specific organelle required to repress transposon activity during meiosis. Specifically localizes to piP-bodies, a subset of the nuage which contains secondary piRNAs (By similarity). {ECO:0000250|UniProtKB:Q8BVN9}

Tissue Location

Testis-specific. Expressed in various cancer cell lines, probably due to demethylation of its promoter {ECO:0000269|PubMed:19693694, ECO:0000269|Ref.1}

MAEL/CT128 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

MAEL/CT128 Polyclonal Antibody - Images