

Datasheet for ABIN7602386
anti-MAEL antibody (AA 73-347)



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Overview

Quantity:	100 µg
Target:	MAEL
Binding Specificity:	AA 73-347
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAEL antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-MAEL Antibody Picoband®
Immunogen:	E.coli-derived human MAEL recombinant protein (Position: E73-Q347).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-MAEL Antibody Picoband® (ABIN7602386). Tested in ELISA, WB, Flow Cytometry applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	MAEL
Alternative Name:	MAEL (MAEL Products)
Background:	<p>Synonyms: FERM domain-containing protein 6, Willin, FRMD6, C14orf31</p> <p>Tissue Specificity: Expressed in fetal and adult brain. Also detected in fetal liver and skeletal muscle, but not in their adult counterparts.</p> <p>Background: The mammalian homolog of the Drosophila protein Maelstrom is expressed in the male germline and localizes to the sex body in spermatocytes and the chromatoid body in round spermatids. Similar to its expression in Drosophila, Maelstrom is a component of nuages, a germ-cell specific organelle and is thought to be essential for spermatogenesis and transposon repression during meiosis. In humans, Maelstrom has been found to be expressed only in the testis and in various cancer cell lines. Treatment of these cell lines with the demethylating agent 5'-Aza-2-Deoxycytidine significantly upregulated Maelstrom levels, indicating that its expression is regulated by DNA methylation.</p>
Molecular Weight:	49 kDa
Gene ID:	84944

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Findley, S. D., Tamanaha, M., Clegg, N. J., Ruohola-Baker, H. Maelstrom, a Drosophila spindle-class gene, encodes a protein that colocalizes with Vasa and RDE1/AGO1 homolog, Aubergine, in nuage. Development 130: 859-871, 2003. 2. Hartz, P. A. Personal Communication. Baltimore, Md. 7/29/2009. 3. Soper, S. F. C., van der Heijden, G. W., Hardiman, T. C., Goodheart, M., Martin, S. L., de Boer, P., Bortvin, A. Mouse Maelstrom, a component of nuage, is essential for spermatogenesis and transposon regression in meiosis. Dev. Cell 15: 285-297, 2008. [PubMed: 18694567, images, related citations] [Full Text]</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.