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Datasheet for ABIN6991303
anti-MAEL antibody (C-Term)

Overview

Quantity:	0.1 mg
Target:	MAEL
Binding Specificity:	AA 30-80, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAEL antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Maelstrom antibody was raised against a 16 amino acid synthetic peptide near the carboxy terminus of human Maelstrom. The immunogen is located within amino acids 30 - 80 of Maelstrom.
Isotype:	IgG
Purification:	Maelstrom Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	MAEL
Alternative Name:	Maelstrom (MAEL Products)
Background:	Maelstrom Antibody: The mammalian homolog of the Drosophila protein Maelstrom is expressed in the male germline and localizes to the sex body in spermatocytes and the

Target Details

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.

Gene ID: 84944

UniProt: [Q96JY0](#)

Application Details

Application Notes: Maelstrom antibody can be used for detection of Maelstrom by Western blot at 1 µg/mL. Antibody can also be used for immunocytochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in human samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Maelstrom Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: Maelstrom antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.