

ARG44135 anti-MAEL antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal recognizes MAEL
Tested Reactivity	Hu
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MAEL
Species	Human
Immunogen	Human MAEL recombinant protein (Position: E73-Q347).
Conjugation	Un-conjugated
Alternate Names	MAEL; Maelstrom Spermatogenic Transposon Silencer; SPATA35; CT128; Spermatogenesis Associated 35; Cancer/Testis Antigen 128; Protein Maelstrom Homolog; FLJ14904; Testicular Tissue Protein Li 116; Maelstrom Homolog (Drosophila); Maelstrom Homolog

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	WB	0.25 - 0.5 µg/ml
Application Note	The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

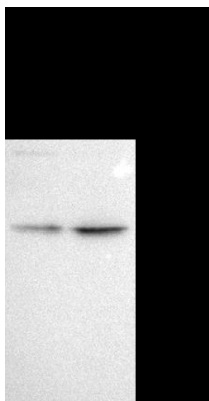
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

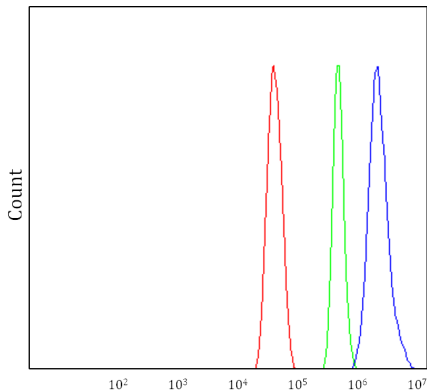
Gene Symbol	MAEL
Gene Full Name	Maelstrom Spermatogenic Transposon Silencer
Background	Predicted to enable sequence-specific DNA binding activity. Predicted to be involved in gamete generation; negative regulation of macromolecule metabolic process; and piRNA metabolic process. Predicted to act upstream of or within several processes, including homologous chromosome pairing at meiosis; intrinsic apoptotic signaling pathway in response to DNA damage; and negative regulation of macromolecule metabolic process. Predicted to be located in piP-body. Predicted to be active in P granule and nucleus.
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.
Calculated Mw	49 kDa
Cellular Localization	Cytoplasm, Nucleus

Images



ARG44135 anti-MAEL antibody WB image

Western blot: K562 and U251 stained with ARG44135 anti-MAEL antibody at 0.5 µg/ml dilution.



ARG44135 anti-MAEL antibody FACS image

Flow Cytometry: U251 stained with ARG44135 anti-MAEL antibody at 1 µg/10⁶ cells dilution.