

Product datasheet for **TA306950**

MAEL Rabbit Polyclonal Antibody

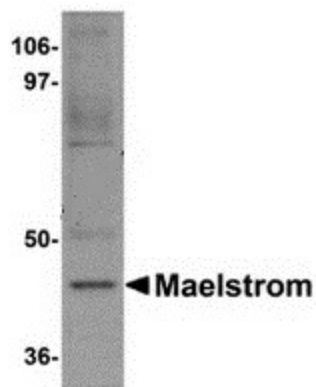
Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Maelstrom antibody was raised against a 16 amino acid peptide near the carboxy terminus of human Maelstrom.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	maelstrom spermatogenic transposon silencer
Database Link:	AAV82463 Entrez Gene 84944 Human Q96JY0
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.
Synonyms:	CT128; SPATA35

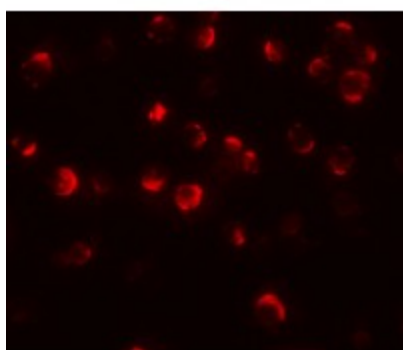


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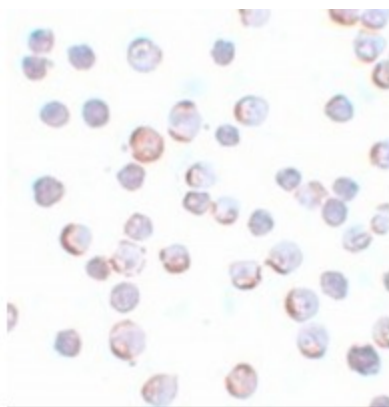
Product images:



Western blot analysis of Maelstrom in HeLa cell lysate with Maelstrom antibody at 1 ug/mL.



Immunofluorescence of Maelstrom in HeLa cells with Maelstrom antibody at 20 ug/mL.



Immunocytochemistry of Maelstrom in HeLa cells with Maelstrom antibody at 5 ug/mL.