

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **MEI1 RABBIT PAB**

Cat.#: S217598

Product Name: Anti-MEII Rabbit Polyclonal Antibody

Synonyms: SPATA38

UNIPROT ID: Q5TIA1 (Gene Accession - BC032248)

**Background:** The predominant cause of spermatogenic arrest of meiosis is the failure of homologous chromosomes to accurately synapse. MEII (Meiosis inhibitor protein 1), also designated Meiosis defective protein 1, is a 1274 amino acid protein that is likely required for the formation of genetically programmed double-strand breaks, the first step in the initiation of meiosis. With predominant expression in testis, it is likely that defects of the gene encoding MEII results in male infertility. Interestingly, studies show that genetic variation in the MEI gene possibly predisposes European Americans but not Israeli men to infertility by meiotic arrest. Human MEII shares 79% sequence similarity with its mouse homolog. There are seven isoforms of MEII that are produced as a result of alternative splicing events.

Immunogen: Fusion protein of human MEII

Applications: ELISA, IHC

Recommended Dilutions: IHC: 25-100; ELISA: 1000-2000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

Purification: Antigen affinity purification

Species Reactivity: Human

**Constituents:** PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Cancer, Stem Cells

**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 217598(MEII Antibody) at a dilution of 1/20(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the fusion protein and then with 217598(Anti-MEII Antibody) at dilution 1/20.



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