

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## SPATA19 RABBIT PAB

Cat.#: S216866

**Product Name:** Anti-SPATA19 Rabbit Polyclonal Antibody

Synonyms: CTl32; SPAS1; spergen1

**UNIPROT ID:** Q7Z5L4 (Gene Accession - BC058039)

**Background:** SPATA19(spermatogenesis associated 19), also known as spergen1 (spermatogenic cell-specific gene 1 protein), CT132 or SPAS1, is a 167 amino acid mitochondrial outer membrane protein suggested to function in spermiogenesis. Expressed specifically in testis, SPATA19 is encoded by a gene that maps to human chromosome 11, which comprises approximately 4% of human genomic DNA and is considered a gene and disease association dense chromosome. The chromosome 11 encoded Atm gene is important for regulation of cell cycle arrest and apoptosis following double strand DNA breaks. Atm mutation leads to the disorder known as ataxiatelangiectasia. The blood disorders Sickle cell anemia and thalassemia are caused by HBB gene mutations, while Wilms? tumors, WAGR syndrome and Denys-Drash syndrome are associated with mutations of the WT1 gene. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are also associated with defects in chromosome 11-encoded genes.

Immunogen: Fusion protein of human SPATA19

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 25-100; ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification

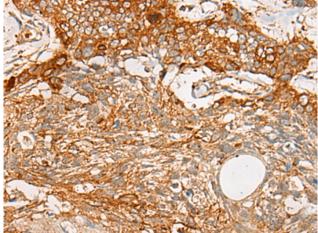
Species Reactivity: Human

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

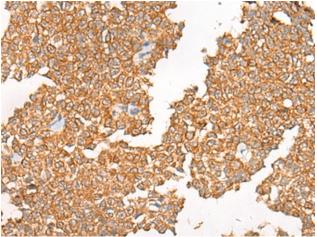
glycerol

Research Areas: Cancer

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



Immunohistochemistry analysis of paraffinembedded Human esophagus cancer tissue using 216866(SPATA19 Antibody) at a dilution of 1/20(Mitochondrion outer membrane).



Immunohistochemistry analysis of paraffinembedded Human ovarian cancer tissue using 216866(Anti-SPATA19 Antibody) at a dilution of 1/20.



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