SPATA19 Antibody

Catalog No: #47212

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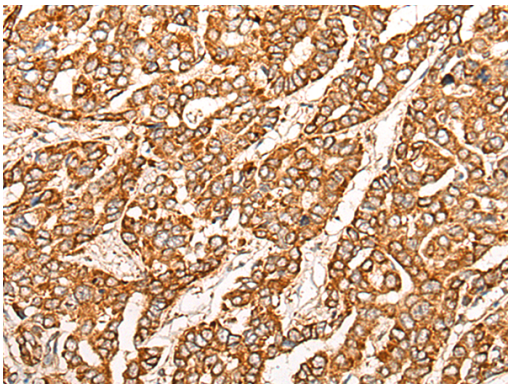
Description

Product Name	SPATA19 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total SPATA19 protein.
Immunogen Type	protein
Immunogen Description	Fusion protein of human SPATA19
Target Name	SPATA19
Other Names	CT132; SPAS1; spergen1
Accession No.	Swiss-Prot#:Q7Z5L4NCBI Gene ID:219938Gene Accssion:BC058039
Uniprot	Q7Z5L4
GeneID	219938;
Concentration	0.2mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20C

Application Details

Immunofluorescence:1: 25-100

Images



The image is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 47212(SPATA19 Antibody) at dilution 1/20. (Original magnification: ?00)

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.

Note: This product is for in vitro research use only