Datasheet for ABIN7599072

anti-SPAG7 antibody (AA 1-199)

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Overview

Quantity:	100 µg
Target:	SPAG7
Binding Specificity:	AA 1-199
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPAG7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-SPAG7 Antibody Picoband®
Immunogen:	E.coli-derived human SPAG7 recombinant protein (Position: M1-D199).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SPAG7 Antibody Picoband® (ABIN7599072). Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SPAG7
Alternative Name:	SPAG7 (SPAG7 Products)
Background:	Synonyms: Interactor of HORMAD1 protein 1, Cancer/testis antigen 74, CT74, Coiled-coil domain-containing protein 36, CCDC36, IHO1 Tissue Specificity: Detected in liver, skeletal muscle, kidney, pancreas, spleen, thyroid, testis, ovary, small intestine and colon. Background: Sperm-associated antigen 7 is a protein that in humans is encoded by the SPAG7 gene. SPAG7 (sperm-associated antigen 7) is a 227 amino acid nuclear protein that contains one R3H domain and is expressed in fetal brain. The gene that encodes SPAG7 consists of approximately 8,612 bases and maps to human chromosome 17p13.2. Encoding more than 1,200 genes, chromosome 17 comprises over 2.5 % of the human genome. 2 key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Tumor suppressor p53 is necessary for maintenance of cellular genetic integrity by moderating cell fate through DNA repair versus cell death. Malfunction or loss of p53 expression is associated with malignant cell growth and Li-Fraumeni syndrome. Like p53, BRCA1 is ly involved in DNA repair, though specifically it is recognized as a genetic determinant of early onset breast cancer and predisposition to cancers of ovary, colon, prostate gland and fallopian tubes.
Molecular Weight:	35 kDa
Gene ID:	9552
UniProt:	O75391

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Mao, M., Fu, G., Wu, J.-S., Zhang, Q.-H., Zhou, J., Kan, L.-X., Huang, Q.-H., He, K.-L., Gu, B.-W., Han, Z.-G., Shen, Y., Gu, J., Yu, Y.-P., Xu, S.-H., Wang, Y.-X., Chen, S.-J., Chen, Z. Identification of genes expressed in human CD34+ hematopoietic stem/progenitor cells by expressed sequence tags and efficient full-length cDNA cloning. Proc. Nat. Acad. Sci. 95: 8175-8180, 1998.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.