

Datasheet for ABIN7602399
anti-SPAG5 antibody (AA 738-1193)



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Overview

Quantity:	100 µg
Target:	SPAG5
Binding Specificity:	AA 738-1193
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPAG5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Astrin/Deepest/SPAG5 Antibody Picoband®
Immunogen:	E.coli-derived human Astrin/Deepest/SPAG5 recombinant protein (Position: E738-S1193).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Astrin/Deepest/SPAG5 Antibody Picoband® (ABIN7602399). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human. 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:	SPAG5
Alternative Name:	SPAG5 (SPAG5 Products)
Background:	<p>Synonyms: Mimecan, Osteoglycin, Ogn, Og</p> <p>Tissue Specificity: Expressed in kidney.</p> <p>Background: Sperm-associated antigen 5 is a protein that in humans is encoded by the SPAG5 gene. This gene encodes a protein associated with the mitotic spindle apparatus. The encoded protein may be involved in the functional and dynamic regulation of mitotic spindles.</p>
Molecular Weight:	130 kDa, 150 kDa
Gene ID:	10615
UniProt:	Q96R06
Pathways:	M Phase

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Chang, M.-S., Huang, C.-J., Chen, M.-L., Chen, S.-T., Fan, C.-C., Chu, J.-M., Lin, W.-C., Yang, Y.-C. Cloning and characterization of hMAP126, a new member of mitotic spindle-associated proteins. <i>Biochem. Biophys. Res. Commun.</i> 287: 116-121, 2001. 2. Cheng, T.-S., Hsiao, Y.-L., Lin, C.-C., Yu, C.-T. R, Hsu, C.-M., Chang, M.-S., Lee, C.-I., Huang, C.-Y. F., Howng, S.-L., Hong, Y.-R. Glycogen synthase kinase 3-beta interacts with and phosphorylates the spindle-associated protein astrin. <i>J. Biol. Chem.</i> 283: 2454-2464, 2008. 3. Du, J., Jablonski, S., Yen, T. J., Hannon, G. J. Astrin regulates Aurora-A localization. <i>Biochem. Biophys. Res. Commun.</i> 370: 213-219, 2008.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	Store 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 freeze-thaw cycles.