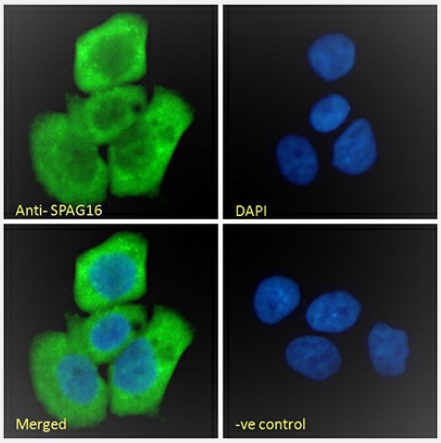
SPAG16 polyclonal antibody

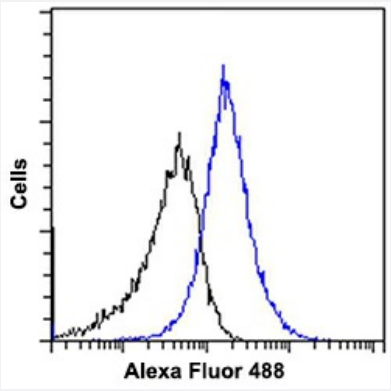
Catalog # PAB18626 Size 100 ug

Applications



Immunofluorescence

SPAG16 polyclonal antibody (Cat # PAB18626) Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



Flow Cytometry

SPAG16 polyclonal antibody (Cat # PAB18626) Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of SPAG16.
Immunogen	A synthetic peptide corresponding to amino acids 139-152 at internal region of human SPAG16.
Sequence	C-KGVTELRTVGNVPD
Host	Goat
Specificity	This antibody is expected to recognize isoform 1 and 2 (NP_078808.3; NP_001020607.1).

Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:16000) Flow Cytometry (10 ug/mL) Immunohistochemistry Immunofluorescence (10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence

  SPAG16 polyclonal antibody (Cat # PAB18626) Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

  SPAG16 polyclonal antibody (Cat # PAB18626) Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

Gene Info — SPAG16

Entrez GeneID	79582
Protein Accession#	NP_078808.3
Gene Name	SPAG16
Gene Alias	DKFZp666P1710, FLJ22724, FLJ37717, MGC87036, PF20, WDR29

Gene Description	sperm associated antigen 16
Gene Ontology	Hyperlink
Gene Summary	Cilia and flagella are comprised of a microtubular backbone, the axoneme, which is organized by the basal body and surrounded by plasma membrane. SPAG16 encodes 2 major proteins that as sociate with the axoneme of sperm tail and the nucleus of postmeiotic germ cells, respectively (Zh ang et al., 2007 [PubMed 17699735]).[supplied by OMIM
Other Designations	WD repeat domain 29|sperm-associated WD repeat protein

Disease

- Genetic Predisposition to Disease
- Pulmonary Disease
- Tobacco Use Disorder