



SPAG16 Antibody

CATALOG NUMBER: 42-304

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA
APPLICATIONS:	ELISA: Antibody detection limit dilution 1:32000. Western Blot: Approximately 55 kDa and 22 kDa in human testis lysates after 0.3 ug/mL antibody staining. 8 kDa according to NP_078808.3. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands).
SPECIFICITY:	This antibody is expected to recognize isoform 1 (NP_078808.3) only.
IMMUNOGEN:	SPAG16 antibody was raised against a 12 amino acid synthetic peptide near the Internal region of SPAG16.
HOST SPECIES:	Goat

Properties

PURIFICATION:	SPAG16 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
PHYSICAL STATE:	Liquid
BUFFER:	SPAG16 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
CONCENTRATION:	500 ug/mL
STORAGE CONDITIONS:	Aliquot and store at -20°C. Minimize freezing and thawing.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	SPAG16, SPAG16, WDR29, WD repeat domain 29, sperm-associated WD repeat protein, sperm associated antigen 16, PF20, MGC87036, FLJ37717, FLJ22724, DKFZp666P1710
ACCESSION NO.:	NP_078808.3
PROTEIN GI NO.:	70909324
OFFICIAL SYMBOL:	SPAG16
GENE ID:	79582

Background

REFERENCES:	1) Zhang Z, Zariwala MA, Mahadevan MM, Caballero-Campo P, Shen X, Escudier E, Duriez B, Bridoux AM, Leigh M, Gerton GL, Kennedy M, Amselem S, Knowles MR, Strauss JF, A heterozygous mutation disrupting the SPAG16 gene results in biochemical instability of central apparatus components of the human sperm axoneme. Biology of reproduction 2007 Nov 77 (5): 864-71.
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