

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB09826 - Goat Anti-SPAG16 (aa139-152) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** DKFZp666P1710, FLJ22724, FLJ37717, MGC87036, PF20, sperm associated antigen 16, sperm-associated WD repeat protein, WD repeat domain 29, WDR29, SPAG16

**Official Symbol:** SPAG16

**Accession Number(s):** NP\_078808.3; NP\_001020607.1

**Human GeneID(s):** [79582](#)

**Important Comments:** This antibody is expected to recognize isoform 1 and 2 (NP\_078808.3; NP\_001020607.1).

### Immunogen

Peptide with sequence C-KGVTELRTVGNVPD, from the internal region of the protein sequence according to NP\_078808.3; NP\_001020607.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:16000.

**IHC:** This antibody was successfully used in Human and Murine frozen Brain sections (PMID: 25086173).

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of A431 cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

### Species Reactivity

**Tested:** Human, Mouse

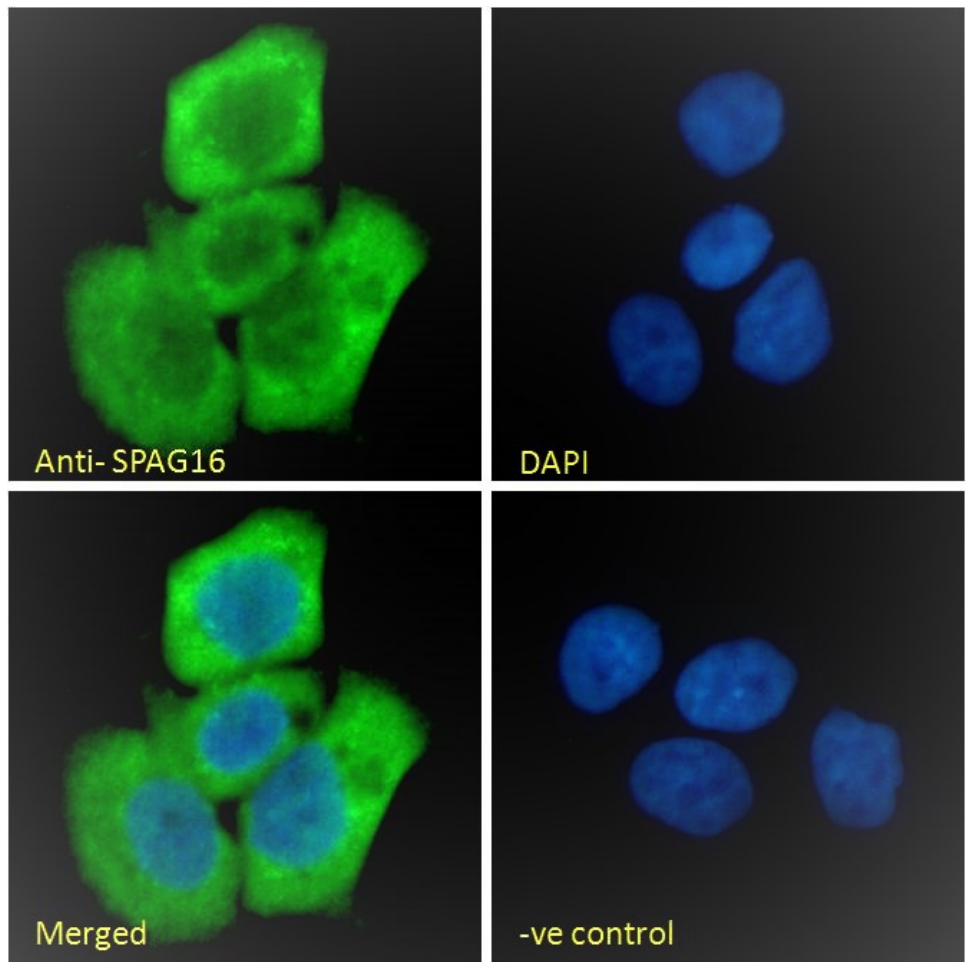
**Expected from sequence similarity:** Human, Dog, Cow

### Specific Reference

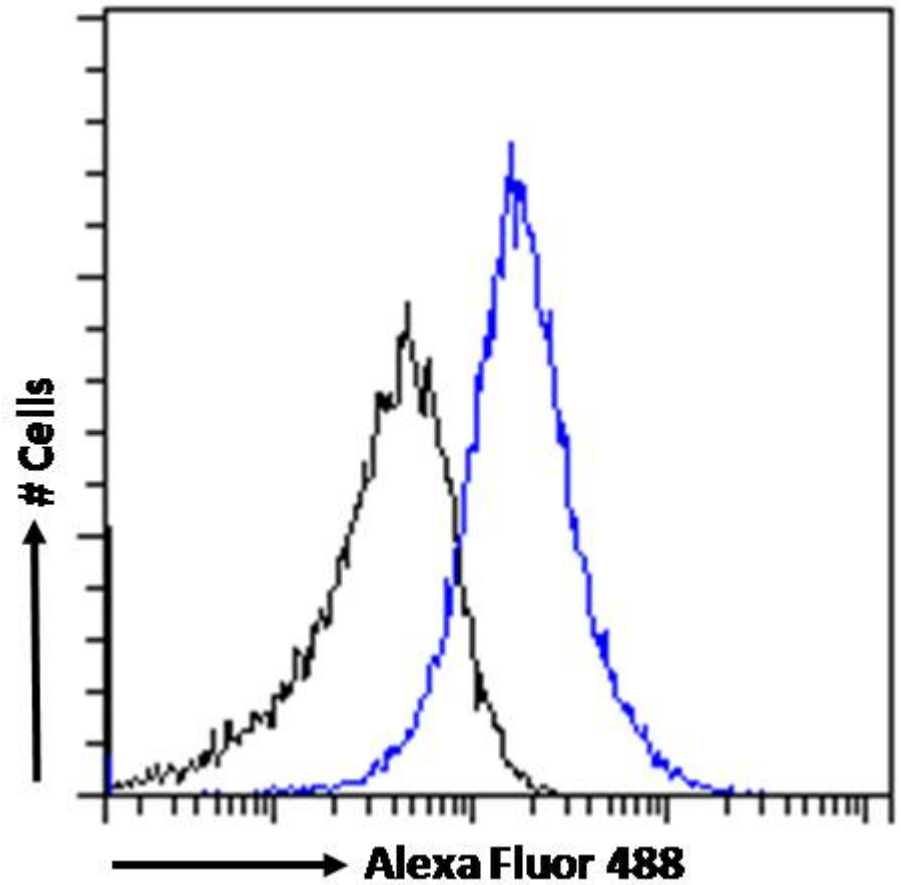
de Bock L, Somers K, Fraussen J, Hendriks JJ, van Horssen J, Rouwette M, Hellings N, Villar LM, Alvarez-Cermeño JC, Espiño M, Hupperts R, Jongen P, Damoiseaux J, Verbeek MM, De Deyn PP, D'hooghe M, Van Wijmeersch B, Stinissen P, Somers V. Sperm-associated antigen 16 is a novel target of the humoral autoimmune response in multiple sclerosis.

J Immunol. 2014 Sep 1;193(5):2147-56.

PMID: 25086173



EB09826 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB09826 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.