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Datasheet for ABIN1698715  
**anti-SPAG9 antibody (AA 101-188) (Alexa Fluor 647)**

### Overview

Quantity:	100 µL
Target:	SPAG9
Binding Specificity:	AA 101-188
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPAG9 antibody is conjugated to Alexa Fluor 647
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human JLP/JIP-4
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Dog,Sheep,Horse,Chicken
Purification:	Purified by Protein A.

### Target Details

Target:	SPAG9
Alternative Name:	JLP/JIP-4 ( <a href="#">SPAG9 Products</a> )

## Target Details

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**Background:** Synonyms: C jun amino terminal kinase interacting protein 4, c Jun NH2 terminal kinase associated leucine zipper protein, FLJ13450, FLJ14006, FLJ34602, HLC 4, HLC 4 protein, HLC 6, HLC4, HLC4 protein, HLC6, HSS, Human lung cancer protein 6, Human lung cancer protein 6, JIP 4, JIP 4, JIP4, JNK associated leucine zipper protein 1, JNK associated leucine zipper protein, JNK interacting protein 4, JNK interacting protein 4, JNK interacting protein, JNK/SAPK associated protein, KIAA0516, Lung cancer oncogene 4, MAPK8IP4, Max binding protein, MGC117291, MGC14967, MGC74461, Mitogen activated protein kinase 8 interacting protein 4, Mitogen activated protein kinase 8 interacting protein 4, PHET, PIG 6, PIG6, proliferation inducing gene 6, Protein highly expressed in testis, SPAG 9, SPAG9, Sperm associated antigen 9, Sperm specic protein, Sperm surface protein, Sunday driver drosophila homolog, Sunday driver 1, SYD1, JIP4\_HUMAN.

Background: JIP-4 is a 1,321 amino acid protein encoded by the human gene SPAG9. It contains a large N-terminal extracellular domain, a short transmembrane helical domain, and a cytoplasmic domain. There are 6 N-glycosylation sites, several phosphorylation sites for cAMP/cGMP-dependent protein kinase, protein kinase C, and casein kinase II, and 10 putative myristoylation sites. There is also a leucine zipper motif, with 6 leucine repeats, that may aid in dimerization since there is no upstream basic domain characteristic of DNA binding proteins. The JNK-interacting protein (JIP) group of scaffold proteins selectively mediates JNK signaling by aggregating specific components of the MAPK cascade to form a functional JNK signaling module. JIP-4 is a cytoplasmic, perinuclear protein that has eight known isoforms whose expression varies by tissue and disease state.

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Gene ID: 9043

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UniProt: [O60271](#)

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Pathways: [Regulation of Muscle Cell Differentiation](#)

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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## Handling

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Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months