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# Anti-JIP4 Antibody

Catalog # AP59944

## Product Information

| | |
|---|---|
| **Application** | WB, IF/IC |
| **Primary Accession** | O60271 |
| **Reactivity** | Human, Mouse, Rat, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 146205 |

## Additional Information

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|---|---|
| **Gene ID** | 9043 |
| **Other Names** | HSS; KIAA0516; MAPK8IP4; SYD1; C-Jun-amino-terminal kinase-interacting protein 4; JIP-4; JNK-interacting protein 4; Cancer/testis antigen 89; CT89; Human lung cancer oncogene 6 protein; HLC-6; JNK-associated leucine-zipper protein; JLP; Mitogen-activated protein kinase 8-interacting protein 4; Proliferation-inducing protein 6; Protein highly expressed in testis; PHET; Sperm surface protein; Sperm-associated antigen 9; Sperm-specific protein; Sunday driver 1 |
| **Target/Specificity** | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human JIP4. The exact sequence is proprietary. |
| **Dilution** | WB~~WB (1/500 - 1/1000) IF/IC~~N/A |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

## Protein Information

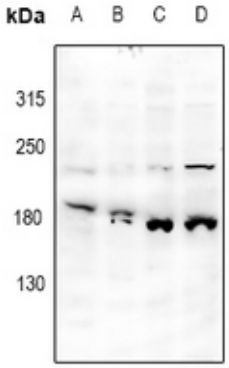
| | |
|---|---|
| **Name** | SPAG9 ( HGNC:14524) |
| **Function** | The JNK-interacting protein (JIP) group of scaffold proteins selectively mediates JNK signaling by aggregating specific components of the MAPK cascade to form a functional JNK signaling module (PubMed:14743216). Regulates lysosomal positioning by acting as an adapter protein which links PIP4P1-positive lysosomes to the dynein- dynactin complex (PubMed:29146937). Assists PIKFYVE selective functionality in microtubule-based endosome-to-TGN trafficking (By similarity). |
| **Cellular Location** | Cytoplasm {ECO:0000250\|UniProtKB:Q58A65}. Cytoplasm, perinuclear region {ECO:0000250\|UniProtKB:Q58A65}. Lysosome membrane. Note=Perinuclear |

distribution in response to stress signals such as UV radiation {ECO:0000250|UniProtKB:Q58A65}

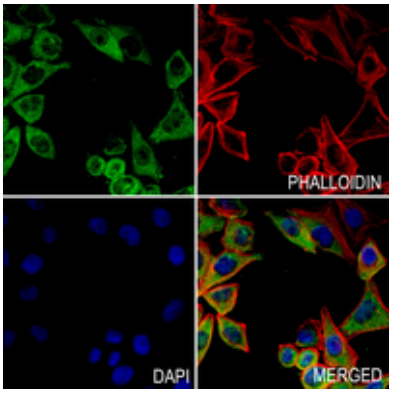
**Tissue Location**

Expressed only in testis on the round spermatids of stage I, II and II. Absent in spermatogonia and spermatocyte [Isoform 3]: Expressed in testis.

## Images




Western blot analysis of JIP4 expression in AML12 (A), U87MG (B), EC9706 (C), SGC7901 (D) whole cell lysates. (Predicted band size: 146 kD; Observed band size: 190 kD)




Immunofluorescent analysis of JIP4 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.