



## Rabbit Anti-JLP/MAX binding protein antibody

SL12270R

<b>Product Name:</b>	JLP/MAX binding protein
<b>Chinese Name:</b>	JNK相互作用蛋白4抗体
<b>Alias:</b>	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 specific protein; Sperm surface protein; Sunday driver (drosophila) homolog; Sunday driver 1; SYD1; JIP4 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Horse,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	146kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human JLP/JIP-4:101-188/1321
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized

	antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>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.</p> <p><b>Function:</b> JIP is a member of the JNK-interacting protein (JIP) group of scaffold proteins which selectively mediate JNK signaling by aggregating specific components of the MAPK cascade to form a functional JNK signaling module.</p> <p><b>Subunit:</b> Homooligomer. Interacts with MAX, MAPK8, MAPK9, MAPK10, MAPK14, MAP3K3, MYC, KNS2 and MAP2K4. Interaction with KNS2 is important in the formation of ternary complex with MAPK8. Interacts with NFKB1.</p> <p><b>Subcellular Location:</b> Cytoplasm. Cytoplasm, perinuclear region. Note: Perinuclear distribution in response to stress signals such as UV radiation.</p> <p><b>Tissue Specificity:</b> Isoform 5 is expressed only in testis on the round spermatids of stage I, II and III. Isoform 5 is absent in spermatogonia and spermatocyte. Isoform 3 is expressed in testis. Isoform 4 is expressed in testis and in acute myeloid leukemia (AML) patients.</p> <p><b>Post-translational modifications:</b> Phosphorylated by MAPK8 and MAPK14 (By similarity). Phosphorylated upon DNA damage, probably by ATM or ATR.</p> <p><b>Similarity:</b> Belongs to the JIP scaffold family.</p> <p><b>SWISS:</b> O60271</p> <p><b>Gene ID:</b></p>

9043

**Database links:**

[Entrez Gene: 9043](#) Human

[Entrez Gene: 70834](#) Mouse

[Oimim: 605430](#) Human

[SwissProt: O60271](#) Human

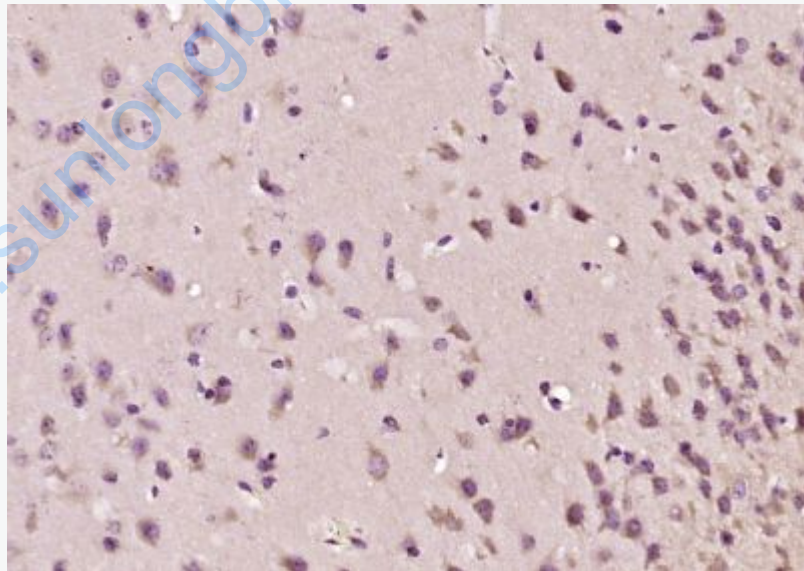
[SwissProt: Q58A65](#) Mouse

[Unigene: 500367](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (JLP MAX binding protein) Polyclonal

	Antibody, Unconjugated (SL12270R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.
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