

JIP4 Rabbit pAb

CatalogNo: YN1592

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 145kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human protein . at AA range: 590-670

Specificity JIP4 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name SPAG9 HSS KIAA0516 MAPK8IP4 SYD1 HLC6

Protein Name 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)

Organism	Gene ID	UniProt ID
Human	9043;	O60271;
Mouse		Q58A65;

Cellular Localization Cytoplasm . Cytoplasm, perinuclear region . Lysosome membrane . Perinuclear distribution in response to stress signals such as UV radiation. . ; [Isoform 5]: Cytoplasmic vesicle, secretory vesicle, acrosome . Associated with the plasma membrane of the acrosomal compartment and also localizes in the acrosome matrix. .

Tissue specificity Expressed only in testis on the round spermatids of stage I, II and II. Absent in spermatogonia and spermatocyte. ; [Isoform 4]: Expressed in testis and in acute myeloid leukemia (AML) patients. ; [Isoform 3]: Expressed in testis.

Function 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. Isoform 5 may play a role in spermatozoa-egg-interaction.,induction:Isoform 3 is increased in systemic sclerosis fibroblasts.,PTM:Phosphorylated by MAPK8 and MAPK14 (By similarity). Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the JIP scaffold family.,subcellular location:Associated with the plasma membrane of the acrosomal compartment and also localizes in the acrosome matrix.,subcellular location:Perinuclear distribution in response to stress signals such as UV radiation.,subunit:Homo-oligomer. 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.,tissue specificity:Isoform 5 is expressed only in testis on the round spermatids of stage I, II and II. 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.,

| Validation Data

| Contact information

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