



JIP4 Polyclonal Antibody

Catalog No	YP-Ab-06461
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	SPAG9 HSS KIAA0516 MAPK8IP4 SYD1 HLC6
Immunogen	Synthesized peptide derived from human protein . at AA range: 590-670
Specificity	JIP4 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	HLC-6;HLC4;HLC 6;CT89;C-Jun-amino-terminal kinase-interacting protein 4; JIP4;SPAG9 HSS KIAA0516 MAPK8IP4 SYD1 HLC6;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 pr
Observed Band	146 kDa
Calculated Molecular Weight	1321 aa, 146 kDa
Cell Pathway	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.

Background

This gene encodes a member of the cancer testis antigen gene family. The encoded protein functions as a scaffold protein that structurally organizes mitogen-activated protein kinases and mediates c-Jun-terminal kinase signaling. This protein also binds to kinesin-1 and may be involved in microtubule-based membrane transport. This protein may play a role in tumor growth and development. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2011],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images