

Symplekin Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP55003

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q92797
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	141148

Additional Information

Gene ID	8189
Other Names	Symplekin, SYMPK, SPK
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	SYMPK
Synonyms	SPK
Function	Scaffold protein that functions as a component of a multimolecular complex involved in histone mRNA 3'-end processing. Specific component of the tight junction (TJ) plaque, but might not be an exclusively junctional component. May have a house-keeping rule. Is involved in pre-mRNA polyadenylation. Enhances SSU72 phosphatase activity.
Cellular Location	Cytoplasm, cytoskeleton. Cell junction, tight junction. Cell membrane; Peripheral membrane protein; Cytoplasmic side Cell junction. Nucleus, nucleoplasm. Note=Cytoplasmic face of adhesion plaques (major) and nucleoplasm (minor) (in cells with TJ). Nucleoplasm (in cells without TJ). Nuclear bodies of heat-stressed cells Colocalizes with HSF1 in nuclear stress bodies upon heat shock (PubMed:14707147).
Tissue Location	In testis, expressed in polar epithelia and Sertoli cells but not in vascular endothelia. The protein is detected in stomach, duodenum, pancreas, liver, fetal brain, carcinomas, lens- forming cells, fibroblasts, lymphocytes,

lymphoma cells, erythroleukemia cells but not in endothelium of vessels,
epidermis, intercalated disks, Purkinje fiber cells of the heart and lymph node

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