

SYMPK antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI12183

Product Information

Application	WB, IHC
Primary Accession	Q92797
Other Accession	NM_004819 , NP_004810
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	141148

Additional Information

Gene ID	8189
Alias Symbol	FLJ27092, SPK, SYM
Other Names	Symplekin, SYMPK, SPK
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-SYMPK antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	SYMPK antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

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

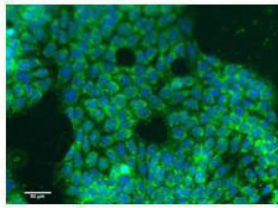
nucleoplasm (minor) (in cells with TJ). Nucleoplasm (in cells without TJ). Nuclear bodies of heat-stressed cells Colocalizes with HSF1 in nuclear stress bodies upon heat shock (PubMed:14707147).

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

Images

Symplekin



See IHC 1 Data and Customer Feedback for more Information

Sample Type : Human HT29 cells

Primary Antibody Dilution : 1:50

Secondary Antibody : Donkey anti Rabbit-Alexa Fluor 488

Secondary Antibody Dilution : 1:500 Color/Signal

Descriptions : Green: Symplekin Blue: DAPI

Gene Name : SYMPK Submitted by : Louise Lagerqvist (PhD), Oncology Department, Institute of Functional Genomics, Montpellier, France.



WB Suggested Anti-SYMPK Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:1562500

Positive Control: Human Liver

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