10320 Camino Santa Fe, Suite G
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SYMPK antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12183

Specification

SYMPK antibody - N-terminal region - Product Information

Application	**IHC, WB**
Primary Accession	Q92797
Other Accession	NM_004819, NP_004810
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**141kDa KDa**

SYMPK antibody - N-terminal region - 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.

SYMPK antibody - N-terminal region - 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).

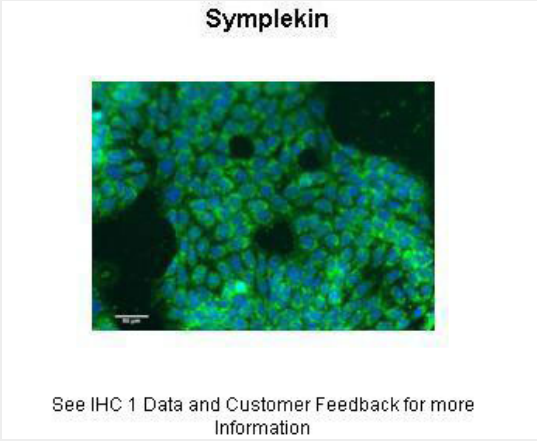
Tissue Location
In testis, expressed in polar epithelia and Sertoli cells but not in vascular endothelia. The protein is detected in stomach, duodenum, pancreas, liver, fetal brain, carcinomas, lens- forming cells, fibroblasts, lymphocytes, lymphoma cells, erythroleukemia cells but not in endothelium of vessels, epidermis, intercalated disks, Purkinje fiber cells of the heart and lymph node

SYMPK antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

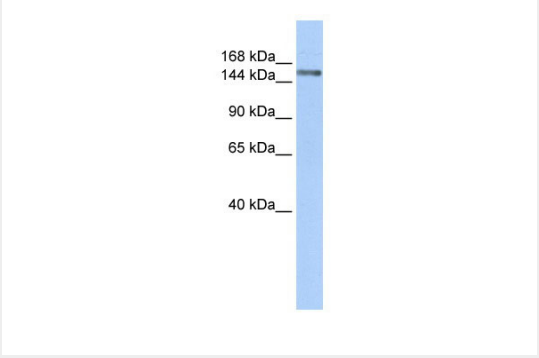
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SYMPK antibody - N-terminal region - Images



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.

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WB Suggested Anti-SYMPK Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:1562500
Positive Control: Human Liver