# antibodies - online.com







# anti-Symplekin antibody (N-Term)





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Quantity:	100 μL
Target:	Symplekin (SYMPK)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Horse, Cow, Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Symplekin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SYMPK
Sequence:	RTHAIKFVEG LIVTLSPRMA DSEIPRRQEH DISLDRIPRD HPYIQYNVLW
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against SYMPK. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	Symplekin (SYMPK)

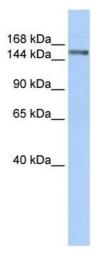
## Target Details

Alternative Name:	SYMPK (SYMPK Products)	
Background:	SYMPK is a nuclear protein that functions in the regulation of polyadenylation and promotes	
	gene expression. The protein forms a high-molecular weight complex with components of the	
	polyadenylation machinery. It is thought to serve as a scaffold for recruiting regulatory factors	
	to the polyadenylation complex. It also participates in 3'-end maturation of histone mRNAs,	
	which do not undergo polyadenylation. The protein also localizes to the cytoplasmic plaques of	
	tight junctions in some cell types. This gene encodes a nuclear protein that functions in the	
	regulation of polyadenylation and promotes gene expression. The protein forms a high-	
	molecular weight complex with components of the polyadenylation machinery. It is thought to	
	serve as a scaffold for recruiting regulatory factors to the polyadenylation complex. It also	
	participates in 3'-end maturation of histone mRNAs, which do not undergo polyadenylation. Th	
	protein also localizes to the cytoplasmic plaques of tight junctions in some cell types.	
	Publication Note: This RefSeq record includes a subset of the publications that are available for	
	this gene. Please see the Entrez Gene record to access additional publications.	
	Alias Symbols: FLJ27092, SPK, SYM	
	Protein Interaction Partner: KAT6A, VCP, KMT2A, UBC, WWOX, RPA3, RPA2, RPA1, SSU72,	
	CPSF2, CPSF3, TOP1, SUMO1, SIRT7, SUMO2, SMARCAD1, CSTF2, HTT, HSF1,	
	Protein Size: 1274	
Molecular Weight:	141 kDa	
Gene ID:	8189	
NCBI Accession:	NM_004819, NP_004810	
UniProt:	Q92797	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 1274 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %	

#### Handling

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Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

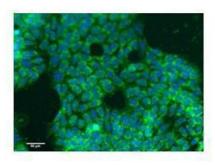
#### **Images**



#### **Western Blotting**

**Image 1.** WB Suggested Anti-SYMPK Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Human Liver

### Symplekin



See IHC 1 Data and Customer Feedback for more Information

#### Immunohistochemistry

Image 2. 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.