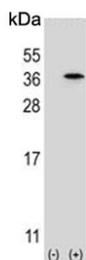


## Speedy protein A Antibody / SPDYA / Spy1 (F55052)

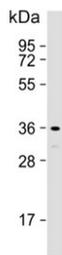
Catalog No.	Formulation	Size
F55052-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55052-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

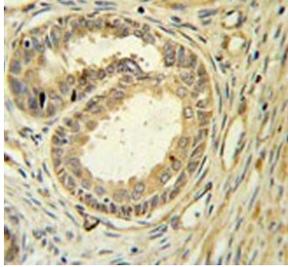
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity purified
<b>UniProt</b>	Q5MJ70
<b>Localization</b>	Predominantly nuclear, may show cytoplasmic staining in some tissue
<b>Applications</b>	Western Blot : 1:500-1:1000 Flow Cytometry : 1:10-1:50 (1x10 <sup>6</sup> cells) Immunohistochemistry (FFPE) : 1:50-1:100
<b>Limitations</b>	This Speedy protein A antibody is available for research use only.



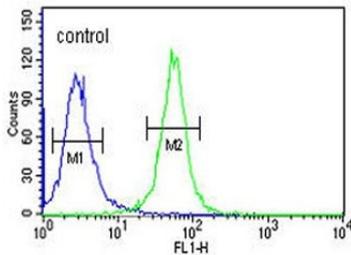
Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with Speedy protein A antibody. Predicted molecular weight ~36 kDa.



Western blot testing of human PC-3 cell lysate with Speedy protein A antibody.  
Predicted molecular weight ~36 kDa.



IHC testing of FFPE human prostate carcinoma tissue with Speedy protein A antibody.  
HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human K562 cells with Speedy protein A antibody;  
Blue=isotype control, Green= Speedy protein A antibody.

## Description

SPDYA (speedy homolog A (Drosophila)) regulates the G1/S phase transition of the cell cycle by binding and activating CDC2, CDK2 and CDKN1B/KIP1. SPDYA can activate CDK2 without promoting CDK2 phosphorylation. SPDYA mediates cell survival during the DNA damage process through activation of CDK2.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the Speedy protein A antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 147-175 from the human protein was used as the immunogen for the Speedy protein A antibody.

## Storage

Aliquot the Speedy protein A antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

