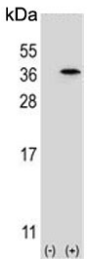
Speedy protein A Antibody / SPDYA / Spy1 (F55052)

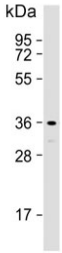
Catalog No.	Formulation	Size
F55052-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55052-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

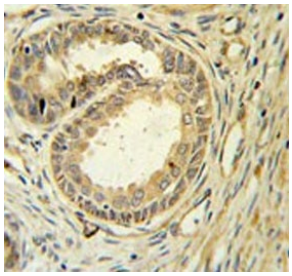
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q5MJ70
Localization	Predominantly nuclear, may show cytoplasmic staining in some tissue
Applications	Western blot: 1:500-1:1000 Flow cytometry: 1:10-1:50 (1x10e6 cells) Immunohistochemistry (FFPE): 1:50-1:100
Limitations	This Speedy protein A antibody is available for research use only.



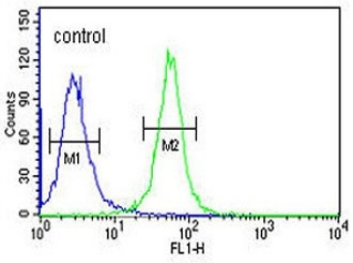
Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with Speedy protein A antibody. Predicted molecular weight ~36 kDa.



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.

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