

Rabbit SPDYA Polyclonal Antibody | anti-SPDYA antibody

SPDYA Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290724	Rabbit	Human; Predicted Reactivity: Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

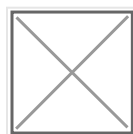
PRODUCT SYNONYMS

SPDYA; Polyclonal Antibody; SPDYA Antibody (Center); Speedy protein A; Rapid inducer of G2/M progression in oocytes A; RINGO A; hSpy/Ringo A; Speedy-1; Spy1; SPDYA ([HGNC:30613](#)); anti-SPDYA antibody

PRODUCT SPECIFICATIONS

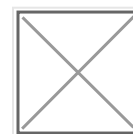
Host	Rabbit
Reactivity	Human; Predicted Reactivity: Mouse, Rat
Clonality	Polyclonal
Isotype	Ig
Specificity	This SPDYA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 147-175 amino acids from the Central region of human SPDYA.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	286
Applicable Applications for anti-SPDYA antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Subtitle	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Cellular Location	Nucleus.
Tissue Location	Highly expressed in testis. Expressed at a low level in wide range of tissues including bone marrow, brain, heart, kidney, colon, liver, placenta, spleen, skeletal muscle, salivary gland, thyroid gland, thymus, trachea and uterus Expressed at a slightly higher level in adrenal gland, cerebellum, small intestine, lung, prostate and trachea. Expression is cell cycle-dependent, being restricted to cells in G1/S phase.
Antigen Region	147-175 aa
Antigen Type	Synthetic Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of SPDYA (arrow) using rabbit polyclonal SPDYA Antibody (Center) . 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the SPDYA gene.



FCM/FACS (Flow Cytometry)

SPDYA Antibody (Center) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

SPDYA Antibody (Center) IHC analysis in formalin fixed and paraffin embedded prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SPDYA Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Anti-SPDYA Antibody (Center) at 1:1000 dilution + PC-3 whole cell lysate. Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 36 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-SPDYA 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. Background: Regulates the G1/S phase transition of the cell cycle by binding and activating CDK1, CDK2 and CDKN1B/KIP1. Can activate CDK2 without promoting CDK2 phosphorylation. Mediates cell survival during the DNA damage process through activation of CDK2.
Product Categories/Family for anti-SPDYA antibody	Primary Antibodies ; Cell Biology
References	Ke, Q., et al. Exp. Mol. Pathol. 87 (3):167-172 (2009). Dinarina, A., et al. FEBS Lett. 583 (17):2772-2778 (2009). McAndrew, C.W., et al. Cell Cycle 8 (1):66-75 (2009).

NCBI AND UNIPROT INFORMATION

NCBI GI #	56961678
NCBI GeneID	245711
NCBI Accession #	NP_001008779.1
NCBI GenBank Nucleotide #	NM_001008779.1
UniProt Accession #	Q5MJ70 ; Q53R05 ; Q5MJ69
Molecular Weight	36463 Da
NCBI Official Full Name	speedy protein A isoform 2
NCBI Official Synonym Full Names	speedy/RINGO cell cycle regulator family member A
NCBI Official Symbol	SPDYA
NCBI Official Synonym Symbols	SPY1; SPDY1; RINGO3; RINGOA
NCBI Protein Information	speedy protein A
UniProt Protein Name	Speedy protein A
UniProt Gene Name	SPDYA
UniProt Synonym Gene Names	RINGO A; hSpy/Ringo A; Spy1
UniProt Entry Name	SPDYA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/spdya-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/290724>