

Rabbit anti-Human P15RS/RPRD1A Polyclonal Antibody | anti-P15RS/RPRD1A antibody

Anti-P15RS/RPRD1A Antibody Picoband

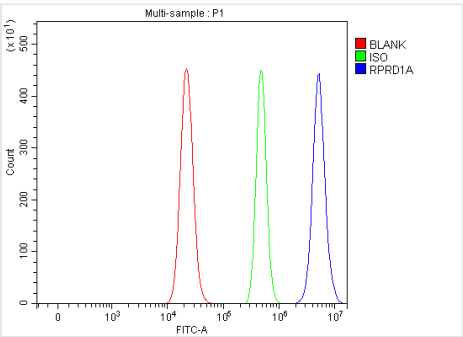
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127626	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

P15RS/RPRD1A; Polyclonal Antibody; Anti-P15RS/RPRD1A Antibody Picoband; Protein NDRG3; N-myc downstream-regulated gene 3 protein; NDRG3; anti-P15RS/RPRD1A antibody

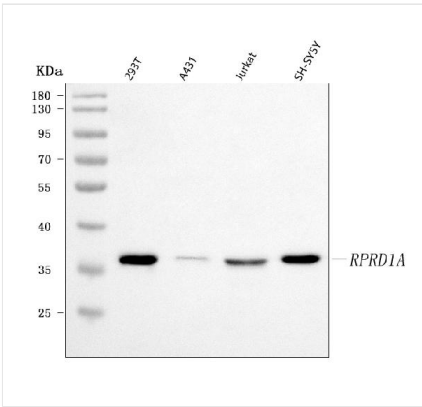
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Ubiquitous.Highly expressed in brain.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-P15RS/RPRD1A antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human P15RS/RPRD1A recombinant protein (Position: E76-D235).
Subcellular Localization	Membrane, Single-pass type I membrane protein
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Protein Function	Promotes the growth of epithelial cells. May stimulate the phosphorylation of EGFR and mitogen-activated protein kinases.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of RT4 cells using anti-P15RS/RPRD1A antibody (AAA127626). Overlay histogram showing RT4 cells stained with AAA127626 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-P15RS/RPRD1A Antibody (AAA127626, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of P15RS/RPRD1A using anti-P15RS/RPRD1A antibody (AAA127626). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human 293T whole cell lysates, Lane 2: human A431 whole cell lysates, Lane 3: human Jurkat whole cell lysates, Lane 4: human SH-SY5Y whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-P15RS/RPRD1A antigen affinity purified polyclonal antibody (#AAA127626) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for P15RS/RPRD1A at approximately 36 kDa. The expected band size for P15RS/RPRD1A is at 36 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-P15RS/RPRD1A antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-P15RS/RPRD1A antibody	Primary Antibodies; Cancer; Cell Biology; Cell Cycle; Cell Differentiation; Tumor Biomarkers
References	1. Liu, J., Liu, H., Zhang, X., Gao, P., Wang, J., Hu, Z. Identification and characterization of P15RS, a novel P15(INK4B)-related gene on G1/S progression. Biochem. Biophys. Res. Commun. 299: 880-885, 2002. 2. Ni, Z., Olsen, J. B., Guo, X., Zhong, G., Ruan, E. D., Marcon, E., Young, P., Guo, H., Li, J., Moffat, J., Emili, A., Greenblatt, J. F. Control of the RNA polymerase II phosphorylation state in promoter regions by CTD interaction domain-containing proteins RPRD1A and RPRD1B. Transcription 2: 237-242, 2011.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361709
NCBI GeneID	55197
NCBI Accession #	NP_060640
NCBI GenBank Nucleotide #	NM_018170.4
UniProt Accession #	Q96P16; Q7Z5G8; Q96FY9; Q9NVL4; A8KA42; B2RBA3
Molecular Weight	38.4kDa (337aa) confirmed by MALDI-TOF
NCBI Official Full Name	regulation of nuclear pre-mRNA domain-containing protein 1A isoform 1
NCBI Official Synonym Full Names	regulation of nuclear pre-mRNA domain containing 1A
NCBI Official Symbol	RPRD1A

NCBI Official Synonym Symbols	P15RS; HsT3101
NCBI Protein Information	regulation of nuclear pre-mRNA domain-containing protein 1A
UniProt Protein Name	Regulation of nuclear pre-mRNA domain-containing protein 1A
UniProt Gene Name	RPRD1A
UniProt Synonym Gene Names	P15RS

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/p15rs-rprd1a-antibody-flow-cytometry-western-blot-elisa/127626>