

Rabbit RPRD1B Polyclonal Antibody | anti-RPRD1B antibody

Anti-RPRD1B Antibody Picoband

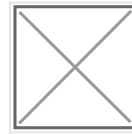
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19896	Rabbit	Human, Monkey	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

RPRD1B; Polyclonal Antibody; Anti-RPRD1B Antibody Picoband; Chromaffin granule amine transporter; fascin actin-bundling protein 2; retinal; Fascin-2; Retinal fascin; FSCN2; anti-RPRD1B antibody

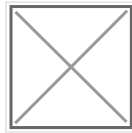
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Localized specifically in the outer and inner segments of the photoreceptor cells in the retina.
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-RPRD1B antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5ug/ml, Human, Monkey IHC(Paraffin-embedded Section): 2-5ug/ml, Human ICC/IF: 5ug/ml, Human IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human RPRD1B recombinant protein (Position: R79-K272).
Subcellular Localization	Nucleus
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	Acts as an actin bundling protein. May play a pivotal role in photoreceptor cell-specific events, such as disk morphogenesis.
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.



IF (Immunofluorescence)

Figure 7. IF analysis of RPRD1B using anti-RPRD1B antibody (AAA19896). RPRD1B was detected in a paraffin-embedded section of human esophageal squamous cell carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5ug/mL rabbit anti-RPRD1B Antibody (AAA19896) overnight at 4 degree C. DyLight550 Conjugated Goat Anti-Rabbit IgG (BA1135) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



Related Product Information for anti-RPRD1B 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-RPRD1B antibody	Primary Antibodies; Golgi Proteins; Protein Trafficking; Signal Transduction; Vesicle Transport

References	1. Hartz, P. A. Personal Communication. Baltimore, Md. 6/22/2012.2. Lu, D., Wu, Y., Wang, Y., Ren, F., Wang, D., Su, F., Zhang, Y., Yang, X., Jin, G., Hao, X., He, D., Zhai, Y., Irwin, D. M., Hu, J., Sung, J. J. Y., Yu, J., Jia, B., Chang, Z. CREPT accelerates tumorigenesis by regulating the transcription of cell-cycle-related genes. Cancer Cell 21: 92-104, 2012. 3. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11034845
NCBI GeneID	58490
NCBI Accession #	NP_067038.1
NCBI GenBank Nucleotide #	NM_021215.3
UniProt Accession #	Q9NQG5; Q1WDE7; Q6PKF4
Molecular Weight	36,900 Da
NCBI Official Full Name	regulation of nuclear pre-mRNA domain-containing protein 1B
NCBI Official Synonym Full Names	regulation of nuclear pre-mRNA domain containing 1B
NCBI Official Symbol	RPRD1B
NCBI Official Synonym Symbols	CREPT; NET60; C20orf77; dJ1057B20.2
NCBI Protein Information	regulation of nuclear pre-mRNA domain-containing protein 1B
UniProt Protein Name	Regulation of nuclear pre-mRNA domain-containing protein 1B
UniProt Gene Name	RPRD1B
UniProt Synonym Gene Names	C20orf77; CREPT
UniProt Entry Name	RPR1B_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.