

Rabbit IRBP/RBP3 Polyclonal Antibody | anti-IRBP/RBP3 antibody

Anti-IRBP/RBP3 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127149	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

IRBP/RBP3; Polyclonal Antibody; Anti-IRBP/RBP3 Antibody Picoband; A disintegrin and metalloproteinase with thrombospondin motifs 4; RAB6A; member RAS oncogene family ; Ras-related protein Rab-6A; Rab-6; RAB6; anti-IRBP/RBP3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Ubiquitous.
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-IRBP/RBP3 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human IRBP/RBP3 recombinant protein (Position: L333-R1196).
Subcellular Localization	Golgi apparatus membrane
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	Protein transport. Regulator of membrane traffic from the Golgi apparatus towards the endoplasmic reticulum (ER). Has a low GTPase activity. Involved in COPI-independent retrograde transport from the Golgi to the ER (PubMed:25962623).
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.

IMAGES



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of MCF-7 cells using anti-IRBP/RBP3 antibody (AAA127149). Overlay histogram showing MCF-7 cells stained with AAA127149 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-IRBP/RBP3 Antibody (AAA127149, 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 IRBP/RBP3 using anti-IRBP/RBP3 antibody (AAA127149). 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: rat eye tissue lysates, Lane 2: mouse eye tissue 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-IRBP/RBP3 antigen affinity purified polyclonal antibody (#AAA127149) 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 IRBP/RBP3 at approximately 135 kDa. The expected band size for IRBP/RBP3 is at 135 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-IRBP/RBP3 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-IRBP/RBP3 antibody	Primary Antibodies; G Protein Signaling; Protein Trafficking; Ras Family; Signal Transduction; Signaling Pathway ; Small G Proteins; Vesicle Transport
References	1. Carson, N. L., Simpson, N. E. A physical map of 13 markers on chromosome 10 from dosage studies on abnormal cell lines. (Abstract) Cytogenet. Cell Genet. 51: 974-975, 1989. 2. Chin, K. S., Mathew, C. G. P., Fong, S. L., Bridges, C. D. B., Ponder, B. A. J. Styl RFLP recognised by a human IRBP cDNA localised to chromosome 10. Nucleic Acids Res. 16: 1645 only, 1988. 3. Danciger, M., Kozak, C. A., Nickerson, J., Redmond, T. M., Farber, D. B. Localization of the gene for interphotoreceptor retinoid-binding protein to mouse chromosome 14 near Np-1. Genomics 8: 727-731, 1990.

NCBI AND UNIPROT INFORMATION

NCBI GI #	307075
NCBI GeneID	5949
UniProt Accession #	P10745; Q5VSR0
Molecular Weight	135,363 Da
NCBI Official Full Name	retinol-binding protein
NCBI Official Synonym Full Names	retinol binding protein 3, interstitial
NCBI Official Symbol	RBP3
NCBI Official Synonym Symbols	IRBP; RBPI; RP66; D10S64; D10S65; D10S66
NCBI Protein Information	retinol-binding protein 3; interphotoreceptor retinoid-binding protein
UniProt Protein Name	Retinol-binding protein 3
UniProt Gene Name	RBP3
UniProt Synonym Gene Names	IRBP
UniProt Entry Name	RET3_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/irbp-rbp3-antibody-flow-cytometry-western-blot-elisa/127149>