

Rabbit COQ8B Polyclonal Antibody | anti-COQ8B antibody

Anti-COQ8B Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA20014	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, ELISA

PRODUCT SYNONYMS

COQ8B; Polyclonal Antibody; Anti-COQ8B Antibody Picoband; Serine/threonine-protein kinase AtPK1/AtPK6; 70 kDa ribosomal protein S6 kinase 1 antibody; KS6B1_HUMAN antibody; p70 alpha antibody; P70 beta 1 antibody; p70 ribosomal S6 kinase alpha antibody; p70 ribosomal S6 kinase beta 1 antibody; p70 S6 kinase alpha antibody; P70 S6 Kinase antibody; p70 S6 kinase alpha 1 antibody; p70 S6 kinase alpha 2 antibody; p70 S6K antibody; p70 S6K-alpha antibody; p70 S6KA antibody; p70(S6K) alpha antibody; p70(S6K)-alpha antibody; p70-alpha antibody; p70-S6K 1 antibody; p70-S6K antibody; P70S6K antibody; P70S6K1 antibody; p70S6Kb antibody; PS6K antibody; Ribosomal protein S6 kinase 70kDa polypeptide 1 antibody; Ribosomal protein S6 kinase beta 1 antibody; Ribosomal protein S6 kinase beta-1 antibody; Ribosomal protein S6 kinase I antibody; RPS6KB1 antibody; S6K antibody; S6K-beta-1 antibody; S6K1 antibody; Serine/threonine kinase 14 alpha antibody; Serine/threonine-protein kinase 14A antibody; STK14A antibody; anti-COQ8B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Expressed in all tissues.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-COQ8B antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), ELISA
Application Notes	WB: 0.1-0.25ug/ml, Human, Mouse, Rat IHC: 2-5ug/ml, Human, Mouse, Rat ICC/IF: 5ug/ml, Human IF: 5ug/ml, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human COQ8B recombinant protein (Position: Q204-A527). Human COQ8B shares 91.9% and 90.7% amino acid (aa) sequence identity with mouse and rat COQ8B, respectively.
Subcellular Localization	Cytoplasm, 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	Downstream effector of TOR signaling pathway involved in osmotic stress response. Could be involved in the control of plant growth and development. Phosphorylates the ribosomal proteins P14, P16 and S6. Functions as a repressor of cell proliferation and required for maintenance of chromosome stability and ploidy levels through the RBR1-E2F pathway.
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.



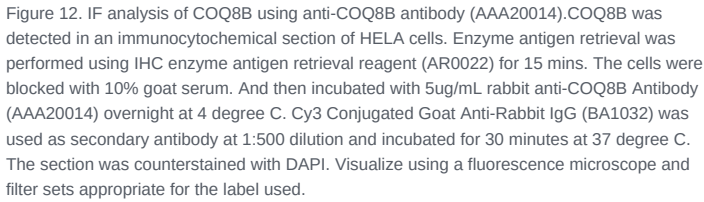
IF (Immunofluorescence)

Figure 14. IF analysis of COQ8B using anti-COQ8B antibody (AAA20014).COQ8B was detected in a paraffin-embedded section of human testis cancer 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-COQ8B Antibody (AAA20014) overnight at 4 degree C. DyLight®594 Conjugated Goat Anti-Rabbit IgG (BA1141) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IF (Immunofluorescence)

Figure 13. IF analysis of COQ8B using anti-COQ8B antibody (AAA20014).COQ8B was detected in a paraffin-embedded section of human ovarian cancer 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-COQ8B Antibody (AAA20014) overnight at 4 degree C. DyLight®594 Conjugated Goat Anti-Rabbit IgG (BA1141) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



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-COQ8B antibody	Primary Antibodies; Signal Transduction; Signaling Pathway; Small G Proteins
References	1. Ashraf, S., Gee, H. Y., Woerner, S., Xie, L. X., Vega-Warner, V., Lovric, S., Fang, H., Song, X., Cattran, D. C., Avila-Casado, C., Paterson, A. D., Nitschke, P., and 33 others. ADCK4 mutations promote steroid-resistant nephrotic syndrome through CoQ10 biosynthesis disruption. J. Clin. Invest. 123: 5179-5189, 2013.

NCBI AND UNIPROT INFORMATION

NCBI GI #	217416386
NCBI GeneID	79934
NCBI Accession #	NP_001136027.1
NCBI GenBank Nucleotide #	NM_001142555.2
UniProt Accession #	Q96D53; Q8TAJ1; Q9HA52
Molecular Weight	60,069 Da
NCBI Official Full Name	uncharacterized aarF domain-containing protein kinase 4 isoform b
NCBI Official Synonym Full Names	aarF domain containing kinase 4
NCBI Official Symbol	ADCK4
NCBI Protein Information	uncharacterized aarF domain-containing protein kinase 4
UniProt Protein Name	Uncharacterized aarF domain-containing protein kinase 4
UniProt Gene Name	ADCK4
UniProt Entry Name	ADCK4_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.