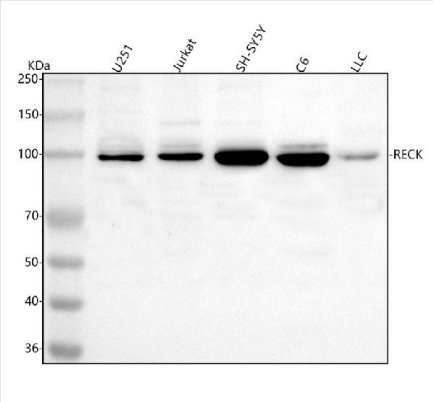
RECK Antibody – Rabbit Polyclonal

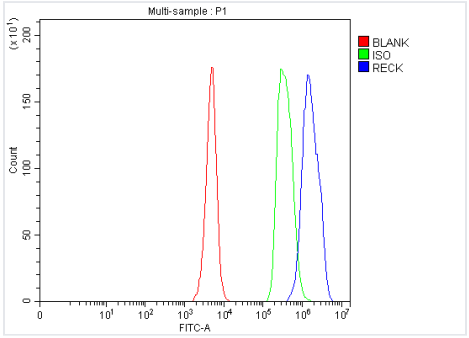
PRODUCT OVERVIEW

Product Name	RECK, Polyclonal Antibody
Full Product Name	Anti-RECK Antibody Picoband
Product Gene Name	anti-RECK antibody
Product Synonym Names	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
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Purity/Purification	Immunogen affinity purified.
Specificity	Expressed in all tissues.
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.
Molecular Weight	971
Chromosome Location	Chromosome: 9; NC_000009.11 (36036910..36124452). Location: 9p13.3
OMIM	605227
3D Structure	ModBase 3D Structure for O95980
Immunogen	E coli-derived human RECK recombinant protein (Position: Q179-K806). Human RECK shares 94.3% amino acid (aa) sequence identity with mouse RECK.
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.
Product Categories/Family for anti-RECK antibody	Primary Antibodies; Signal Transduction; Signaling Pathway; Small G Proteins
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.

Applications Tested/Suitable for anti-RECK antibody	Western Blot (WB), Flow Cytometry (FC/FACS), ELISA (EIA)
Application Notes for anti-RECK antibody	WB: 0.25-0.5ug/ml, Human, Mouse, Rat FC/FACS (Fixed): 1-3ug/1x10^6 cells, Human ELISA: 0.1-0.5ug/ml
Related Product Information for anti-RECK 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 References and Citations for anti-RECK antibody	1. "Entrez Gene: RECK reversion-inducing-cysteine-rich protein with kazal motifs".2. Park, S., Lee, C., Sabharwal, P., Zhang, M., Meyers, C. L. F., Sockanathan, S. GDE2 promotes neurogenesis by glycosylphosphatidylinositol-anchor cleavage of RECK. Science 339: 324-328, 2013.
Other Notes	Small volumes of anti-RECK antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RECK purchase	MBS1758716 is an antibody targeting RECK. Also known as Anti-RECK Antibody Picoband. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-RECK antibody
Figure 1. Western blot analysis of RECK using anti-RECK antibody (MBS1758716).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 U251 whole cell lysates,Lane 2: human Jurkat whole cell lysates,Lane 3: human SH-SY5Y whole cell lysates,Lane 4: rat C6 whole cell lysates,Lane 5: mouse LLC 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-RECK antigen affinity purified polyclonal antibody (#MBS1758716) 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 (#MBS176460) with Tanon 5200 system. A specific band was detected for RECK at approximately 100 kDa. The expected band size for RECK is at 106 kDa.



Flow Cytometry (FC/FACS) of anti-RECK antibody
Figure 2. Flow Cytometry analysis of JK cells using anti-RECK antibody (MBS1758716).Overlay histogram showing JK cells stained with MBS1758716 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-RECK Antibody (MBS1758716, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG (MBS177405, 5-10ug/1x106 cells) 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 (Red line) was also used as a control.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RECK. It may not necessarily be applicable to this product.

NCBI GI #	11863156
NCBI GeneID	8434
NCBI Accession #	NP_066934.1
UniProt Primary Accession #	O95980
UniProt Secondary Accession #	Q5W0K6; Q8WX37; B2RNS1
UniProt Related Accession #	O95980

GenBank Nucleotide #	NM_021111.2
NCBI Official Full Name	reversion-inducing cysteine-rich protein with Kazal motifs
NCBI Official Synonym Full Names	reversion-inducing-cysteine-rich protein with kazal motifs
NCBI Official Symbol	RECK
NCBI Official Synonym Symbols	ST15
UniProt Protein Name	Reversion-inducing cysteine-rich protein with Kazal motifs
UniProt Synonym Protein Names	Suppressor of tumorigenicity 15 protein
Protein Family	Reversion-inducing cysteine-rich protein
UniProt Gene Name	RECK
UniProt Synonym Gene Names	ST15; hRECK
UniProt Entry Name	RECK_HUMAN
NCBI Protein Information	reversion-inducing cysteine-rich protein with Kazal motifs; suppressor of tumorigenicity 15 protein; membrane-anchored glycoprotein (metastasis and invasion); suppression of tumorigenicity 5 (reversion-inducing-cysteine-rich protein with kazal motifs); su
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