

RACK1 Polyclonal Antibody | anti-RACK1 antibody

Anti-RACK1 Antibody

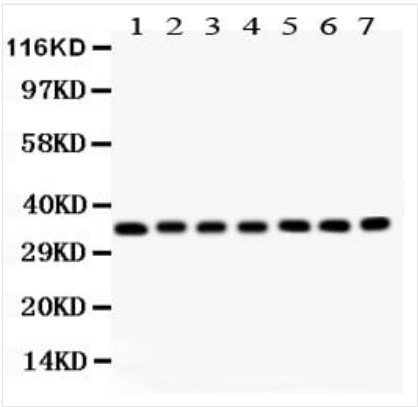
CATALOG # AAA46363	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

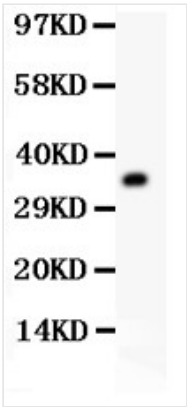
RACK1; Polyclonal Antibody; Anti-RACK1 Antibody; Guanine nucleotide-binding protein subunit beta-2-like 1; Cell proliferation-inducing gene 21 protein; GBLP_HUMAN; Gnb2 rs1; Gnb2-rs1; GNB2L1; Gnb2rs1; Guanine nucleotide binding protein (G protein) beta polypeptide 2 like 1; Guanine nucleotide binding protein beta polypeptide 2 like 1; Guanine nucleotide binding protein beta subunit 2 like 1; Guanine nucleotide binding protein beta subunit like protein 12.3; Guanine nucleotide binding protein subunit beta 2 like 1; Guanine nucleotide binding protein subunit beta like protein 12.3 antibody; Guanine nucleotide-binding protein subunit beta-2-like 1; Guanine nucleotide-binding protein subunit beta-like protein 12.3; H12.3; HLC 7; HLC-7; HLC7; Human lung cancer oncogene 7 protein; Lung cancer oncogene 7; OTTHUMP00000223704; OTTHUMP00000223870; OTTHUMP00000223891; OTTHUMP00000223893; OTTHUMP00000223900; OTTHUMP00000223902; OTTHUMP00000223930; OTTHUMP00000223931; PIG 21; PIG21; Proliferation inducing gene 21; Protein homologous to chicken B complex protein guanine nucleotide binding; RACK 1; Receptor for activated C kinase; Receptor for activated C kinase 1; Receptor of activated protein kinase C 1; guanine nucleotide binding protein (G protein); beta polypeptide 2-like 1; anti-RACK1 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	317
Applicable Applications for anti-RACK1 antibody	WB (Western Blot)
Immunogen	E Coli-derived human RACK1 recombinant protein (Position: T2-R317). Human RACK1 shares 100% amino acid (aa) sequence identity with both mouse and rat RACK1.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)
Anti- RACK1 antibody, AAA46363, Western blottingAll lanes: Anti RACK1 (AAA46363) at 0.5ug/mlLane 1: Mouse Liver Tissue Lysate at 50ugLane 2: Rat Spleen Tissue Lysate at 50ugLane 3: Mouse Spleen Tissue Lysate at 50ugLane 4: SMMC Whole Cell Lysate at 40ugLane 5: HEPG2 Whole Cell Lysate at 40ugLane 6: HEPA Whole Cell Lysate at 40ugLane 7: RH35 Whole Cell Lysate at 40ugPredicted bind size: 35KDObserved bind size: 35KD



WB (Western Blot)
Anti- RACK1 antibody, AAA46363, Western blottingAll lanes: Anti RACK1 (AAA46363) at 0.5ug/mlWB: Recombinant Human RACK1 Protein 0.5ngPredicted bind size: 35KDObserved bind size: 35KD

ADDITIONAL INFORMATION

Related Product Information for anti-RACK1 antibody	Description: Rabbit IgG polyclonal antibody for Guanine nucleotide-binding protein subunit beta-2-like 1(GNB2L1) detection. Tested with WB in Human;Mouse;Rat. Background: Guanine nucleotide-binding protein subunit beta-2-like 1, also known as RACK1 is a 32kDa protein that in humans is encoded by the GNB2L1 gene. It is mapped to 5q35.3. GNB2L1 is a major component of translating ribosomes, which harbor significant amounts of PKC. This gene can provide a physical and functional link between PKC signaling and ribosome activation. GNB2L1 is also a mediator of agonist-induced Ca(2+) release. What's more, GNB2L1 is an essential component of an oxygen-independent mechanism for regulating HIF1A stability. Overexpression of GNB2L1 and PKC-alpha suppressed CLOCK-BMAL1 transcriptional activity, and GNB2L1 stimulated phosphorylation of BMAL1 by PKC-alpha in vitro.
References	1. Ceci, M., Gaviraghi, C., Gorrini, C., Sala, L. A., Offenhauser, N., Marchisio, P. C., Biffo, S. Release of eIF6 (p27-BBP) from the 60S subunit allows 80S ribosome assembly. Nature 426: 579-584, 2003. 2. Patterson, R. L., van Rossum, D. B., Barrow, R. K., Snyder, S. H. RACK1 binds to inositol 1,4,5-triphosphate receptors and mediates Ca(2+) release. Proc. Nat. Acad. Sci. 101: 2328-2332, 2004. 3. Robles, M. S., Boyault, C., Knutti, D., Padmanabhan, K., Weitz, C. J. Identification of RACK1 and protein kinase C-alpha as integral components of the mammalian circadian clock. Science 327: 463-466, 2010.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174447
NCBI GeneID	10399
NCBI Accession #	NP_006089.1
NCBI GenBank Nucleotide #	NM_006098.4
UniProt Accession #	P63244; P25388; P99049; Q53HU2; Q5J8M6; Q5VLR4; Q6FH47; B3KTJ0; D3DWS0
Molecular Weight	35,077 Da
NCBI Official Full Name	receptor of activated protein C kinase 1
NCBI Official Synonym Full Names	receptor for activated C kinase 1
NCBI Official Symbol	RACK1
NCBI Official Synonym Symbols	H12.3; HLC-7; PIG21; GNB2L1; Gnb2-rs1
NCBI Protein Information	receptor of activated protein C kinase 1

UniProt Protein Name	Receptor of activated protein C kinase 1
UniProt Gene Name	RACK1
UniProt Synonym Gene Names	HLC-7
UniProt Entry Name	RACK1_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/rack1-antibody-western-blot-elisa/46363>