

Rabbit RACK1 Monoclonal Antibody | anti-RACK1 antibody

RACK1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30521	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay

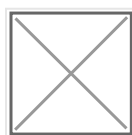
PRODUCT SYNONYMS

RACK1; Monoclonal Antibody; RACK1 Antibody; Cell proliferation-inducing gene 21 protein antibody; GBLP_HUMAN antibody; Gnb2-rs1 antibody; Gnb2l1 antibody; Guanine nucleotide binding protein (G protein) beta polypeptide 2 like 1 antibody; Guanine nucleotide binding protein beta polypeptide 2 like 1 antibody; Guanine nucleotide binding protein beta subunit 2 like 1 antibody; Guanine nucleotide binding protein beta subunit like protein 12.3 antibody; Guanine nucleotide binding protein subunit beta 2 like 1 antibody; Guanine nucleotide binding protein subunit beta like protein 12.3 antibody; Guanine nucleotide-binding protein subunit beta-2-like 1 antibody; Guanine nucleotide-binding protein subunit beta-like protein 12.3 antibody; H12.3 antibody; HLC-7 antibody; Human lung cancer oncogene 7 protein antibody; lung cancer oncogene 7 antibody; OTTHUMP00000223704 antibody; OTTHUMP00000223870 antibody; OTTHUMP00000223891 antibody; OTTHUMP00000223893 antibody; OTTHUMP00000223900 antibody; OTTHUMP00000223902 antibody; OTTHUMP00000223930 antibody; OTTHUMP00000223931 antibody; PIG21 antibody; Proliferation inducing gene 21 antibody; Protein homologous to chicken B complex protein guanine nucleotide binding antibody; RACK1 antibody; Receptor for activated C kinase 1 antibody; Receptor for activated C kinase antibody; Receptor of activated protein kinase C 1 antibody; anti-RACK1 antibody

PRODUCT SPECIFICATIONS

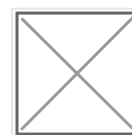
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JG40-26
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-RACK1 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000-1:2000 IHC: 1:50-1:200 FC/FACS: 1:50-1:100
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein corresponding to C-terminal human RACK1.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



FCM (Flow Cytometry)

Flow cytometric analysis of SH-SY-5Y cells with RACK1 antibody at 1/100 dilution (purple) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse skin tissue using anti-RACK1 antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-RACK1 antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded rat liver tissue using anti-RACK1 antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue using anti-RACK1 antibody. Counter stained with hematoxylin.

**WB (Western Blot)**

Western blot analysis of RACK1 on different lysates using anti-RACK1 antibody at 1/2, 000 dilution. Positive control: Lane 1: SH-SY-5Y Lane 2: Rat small intestine

ADDITIONAL INFORMATION

Related Product Information for anti-RACK1 antibody	Members of the protein kinase C (PKC) family play a key regulatory role in a variety of cellular functions, including cell growth and differentiation, gene expression, hormone secretion and membrane function. Receptor for activated C kinases, termed RACKs, are intracellular receptors for activated PKC that may be involved in the activation-induced translocation of PKC. RACK1 (receptor for activated C kinase 1) is a 317 amino acid G protein b subunit-like protein that functions as a RACK and inhibits the activity of Src tyrosine kinases. In response to PKC activation, the intracellular localization of RACK1 and PKC bII changes, and RACK1 and PKC bII co-localize to the same sites. RACK1 is therefore thought to be a shuttling protein for PKC bII. A deficit in RACK1 may be associated with impaired PKC activation in the aging brain. The RACK1 gene is conserved in chimpanzee, dog, cow, mouse, rat, chicken, zebrafish, fruit fly, mosquito, C.elegans, S.pombe, S.cerevisiae, K.lactis, E.gossypii, M.grisea, N.crassa, A.thaliana, rice and P.falciparum, and maps to human chromosome 5q35.3.
Product Categories/Family for anti-RACK1 antibody	Total protein Ab

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	317
NCBI Official Full Name	guanine nucleotide-binding protein subunit beta-2-like 1
NCBI Official Synonym Full Names	guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1
NCBI Official Symbol	GNB2L1
NCBI Official Synonym Symbols	H12.3; HLC-7; PIG21; RACK1; Gnb2-rs1
NCBI Protein Information	guanine nucleotide-binding protein subunit beta-2-like 1; lung cancer oncogene 7; proliferation-inducing gene 21; receptor for activated C kinase 1; human lung cancer oncogene 7 protein; receptor of activated protein kinase C 1; cell proliferation-inducin
UniProt Protein Name	Guanine nucleotide-binding protein subunit beta-2-like 1
UniProt Gene Name	GNB2L1
UniProt Synonym Gene Names	HLC-7; RACK1
UniProt Entry Name	GBLP_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/monoclonal/rack1-antibody-clone-jg40-26-western-blot-immunohistochemistry-flow-cytometry-elisa/30521>