

RACK1 Rabbit mAb

Catalog No: #49967



Package Size: #49967-1 50ul #49967-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

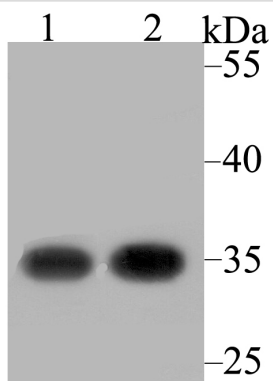
Description

Product Name	RACK1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG40-26
Purification	ProA affinity purified
Applications	WB,IHC,FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein corresponding to C-terminal human RACK1.
Other Names	Cell proliferation-inducing gene 21 protein antibody GBLP_HUMAN antibody Gnb2-rs1 antibody Gnb211 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
Accession No.	Swiss-Prot#:P63244
Uniprot	P63244
GeneID	10399;
Calculated MW	35 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

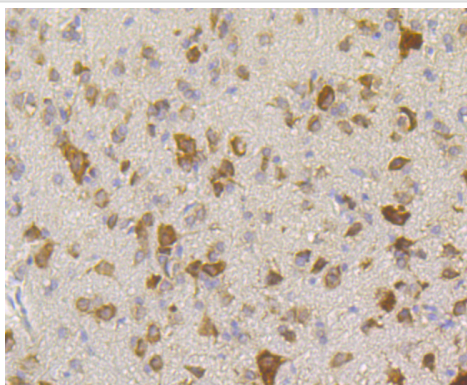
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200FC: 1:50-1:100

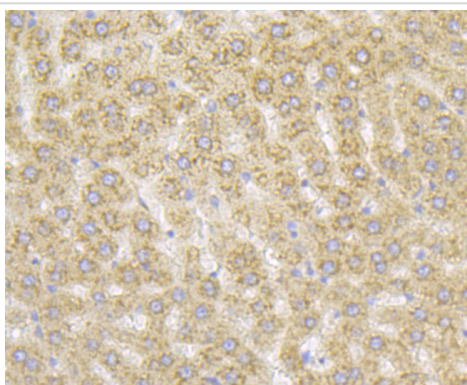
Images



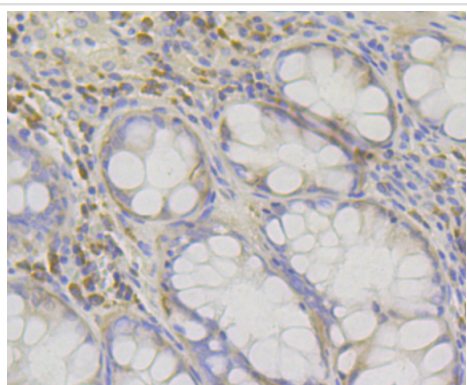
Western blot analysis of RACK1 on different lysates using anti-RACK1 antibody at 1/2,000 dilution. Positive control: Lane 1: SH-SY-5Y Lane 2: Rat small intestine



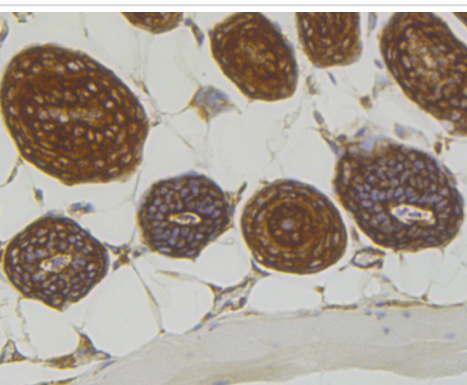
Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue using anti-RACK1 antibody. Counter stained with hematoxylin.



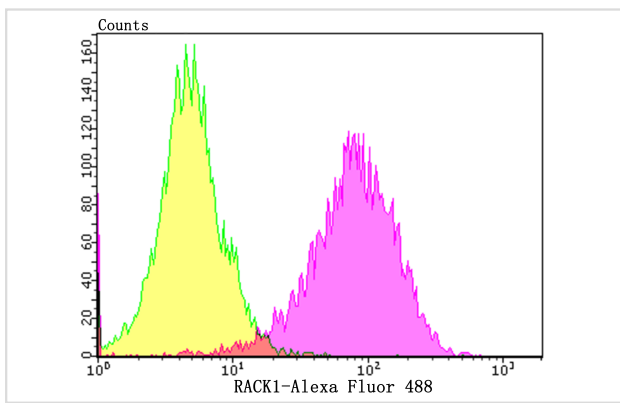
Immunohistochemical analysis of paraffin-embedded rat liver tissue using anti-RACK1 antibody. Counter stained with hematoxylin.



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



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



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.

Background

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 β 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 β II changes, and RACK1 and PKC β II co-localize to the same sites. RACK1 is therefore thought to be a shuttling protein for PKC β II. 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.

References

Note: This product is for in vitro research use only