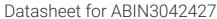
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anti-GNB2L1 antibody (AA 2-317)

2 Images



Publication



Go to Product page

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Quantity:	100 μg
Target:	GNB2L1
Binding Specificity:	AA 2-317
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNB2L1 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Receptor of activated protein C kinase 1(RACK1) detection. Tested with WB in Human, Mouse, Rat.
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.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Receptor of activated protein C kinase 1(RACK1) detection. Tested with WB in Human, Mouse, Rat. Gene Name: receptor for activated C kinase 1 Protein Name: Receptor of activated protein C kinase 1
Purification:	Immunogen affinity purified.

Pathways:

Target Details	
Target:	GNB2L1
Alternative Name:	GNB2L1 (GNB2L1 Products)
Background:	Guanine nucleotide-binding protein subunit beta-2-like 1, also known as RACK1 is a 32 kDa
	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.
	Synonyms: Cell proliferation-inducing gene 21 protein antibody GBLP_HUMAN antibody Gnb2
	rs1 antibody Gnb2-rs1 antibody GNB2L1 antibody Gnb2rs1 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 antibodyGuanine 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 HLC-7 antibody HLC7 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 PIG 21 antibody PIG21 antibody Proliferation
	inducing gene 21 antibody Protein homologous to chicken B complex protein guanine
	nucleotide binding antibody RACK 1 antibody RACK1 antibody Receptor for activated C kinase
	antibody Receptor for activated C kinase 1 antibody Receptor of activated protein kinase C 1
	antibody
Gene ID:	10399
UniProt:	P63244

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cAMP Metabolic Process, Positive Regulation of Endopeptidase Activity

Application Details

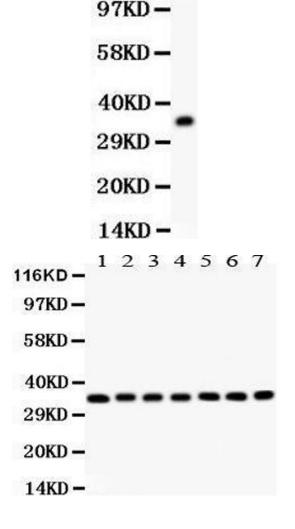
Application Betaile		
Application Notes:	WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human, Mouse, Rat, The detection limit for	
	RACK1 is approximately 0.25 ng/lane under reducing conditions.	
	Notes: Tested Species: Species with positive results.	
	Other applications have not been tested. Optimal dilutions should be determined by end users.	
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.	
Restrictions:	For Research Use only	
Handling		
Format:	Lyophilized	
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 μg/mL.	
Concentration:	500 μg/mL	
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	
	should be handled by trained staff only.	
Handling Advice:	Avoid repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month.	
	It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing	
	and thawing.	
Publications		
Product cited in:	Jia, Ma, Lv, Ma, Xu, Yang, Tian, Wang, Sun, Xu, Fu, Zhao: "Oestrogen and parathyroid hormone	
	alleviate lumbar intervertebral disc degeneration in ovariectomized rats and enhance Wnt/ β -	
	catenin pathway activity." in: Scientific reports , Vol. 6, pp. 27521, (2018) (PubMed).	
	Jia, Jiang, Liu, Wang, Zhu, Zhu, Liu, Zhong, Xie, Huang, Jia, Li, Liu, Zuo, Cheng, Dai, Ren: "Effects	
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	glioma cells." in: International journal of oncology, Vol. 52, Issue 6, pp. 1787-1800, (2018) (
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Ding, Teng, Fan, Zhao: "The Association Between Modic Changes of Lumbar Endplates and Spontaneous Absorption of Herniated Intervertebral Discs." in: **Cell biochemistry and biophysics**, Vol. 71, Issue 3, pp. 1357-63, (2016) (PubMed).

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Images



Western Blotting

Image 1.

Western Blotting

Image 2. Anti- RACK1 antibody, Western blotting All lanes: Anti RACK1 at 0.5ug/ml Lane 1: Mouse Liver Tissue Lysate at 50ug Lane 2: Rat Spleen Tissue Lysate at 50ug Lane 3: Mouse Spleen Tissue Lysate at 50ug Lane 4: SMMC Whole Cell Lysate at 40ug Lane 5: HEPG2 Whole Cell Lysate at 40ug Lane 6: HEPA Whole Cell Lysate at 40ug Lane 7: RH35 Whole Cell Lysate at 40ug Predicted bind size: 35KD Observed bind size: 35KD