Datasheet for ABIN3042480

anti-RIPK1 antibody (AA 316-671)

2 Images | 2 Publications

Go to Product page

Overview

Quantity:	100 µg
Target:	RIPK1
Binding Specificity:	AA 316-671
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RIPK1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Receptor-interacting serine/threonine-protein kinase 1(RIPK1) detection. Tested with WB in Human.
Immunogen:	E.coli-derived human RIP recombinant protein (Position: K316-N671). Human RIP shares 65% amino acid (aa) sequence identity with mouse RIP.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Receptor-interacting serine/threonine-protein kinase 1(RIPK1) detection. Tested with WB in Human. Gene Name: receptor (TNFRSF)-interacting serine-threonine kinase 1 Protein Name: Receptor-interacting serine/threonine-protein kinase 1
Purification:	Immunogen affinity purified.

Target Details

Target:	RIPK1
Alternative Name:	RIPK1 (RIPK1 Products)
Background:	RIPK1, also known as RIP or RIP1, is an enzyme that in humans is encoded by the RIPK1 gene. It is mapped to 6p25.2. RIPK1 is a key signaling molecule in the programmed necrosis pathway, which plays important roles in development, tissue damage response, and antiviral immunity. RIPK1 is known to have function in a variety of cellular pathways including the NF-κB pathway and programmed necrotic cell death (necroptosis). The kinase domain, while important for necroptotic (programmed necrotic) functions, it appears dispensable for other lethal, as well as pro-survival roles. Also, proteolytic processing of RIPk1, through both caspase-dependent and -independent mechanisms, triggers lethality that is dependent on the generation of one or more specific C-terminal cleavage product(s) of RIPk1 upon stress. Synonyms: Cell death protein RIP antibody|FLJ39204 antibody|OTTHUMP00000039163 antibody|Receptor (TNFRSF) interacting serine threonine kinase 1 antibody|receptor interacting protein 1 antibody|Receptor interacting protein antibody|Receptor interacting serine threonine protein kinase 1 antibody|Receptor TNFRSF interacting serine threonine kinase 1 antibody|Receptor-interacting protein 1 antibody|Receptor-interacting serine/threonine-protein kinase 1 antibody|Rinp antibody|RIP 1 antibody|RIP antibody|Rip-1 antibody|RIP1 antibody|RIPK 1 antibody|Ripk1 antibody|RIPK1_HUMAN antibody|Serine threonine protein kinase RIP antibody|Serine/threonine-protein kinase RIP antibody
Gene ID:	8737
UniProt:	Q13546
Pathways:	NF-kappaB Signaling, Apoptosis, Caspase Cascade in Apoptosis, TLR Signaling, Activation of Innate immune Response, Inositol Metabolic Process, Positive Regulation of Endopeptidase Activity, Hepatitis C, Protein targeting to Nucleus, Toll-Like Receptors Cascades, Negative Regulation of intrinsic apoptotic Signaling, SARS-CoV-2 Protein Interactome, Ubiquitin Proteasome Pathway

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for RIP 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.

Application Details

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:	Zhang, Wu: "Fasudil inhibits proliferation and migration of Hep-2 laryngeal carcinoma cells." in: **Drug design, development and therapy**, Vol. 12, pp. 373-381, (2018) (PubMed). Zhou, Wu, Ma, Xiao, Yu, Yang, Xu, Zhang, Zhou, Ye, Wang: "Attenuation of TGFBR2 expression and tumour progression in prostate cancer involve diverse hypoxia-regulated pathways." in: **Journal of experimental & clinical cancer research : CR**, Vol. 37, Issue 1, pp. 89, (2018) (PubMed). Schwartz, Bochkariov: "Novel chemiluminescent Western blot blocking and antibody incubation solution for enhanced antibody-antigen interaction and increased specificity." in: **Electrophoresis**, Vol. 38, Issue 20, pp. 2631-2637, (2017) (PubMed). Zuo, Liu, Zhang, Wu, Guo, Liao: "Development of trastuzumab-resistant human gastric carcinoma cell lines and mechanisms of drug resistance." in: **Scientific reports**, Vol. 5, pp.

Publications

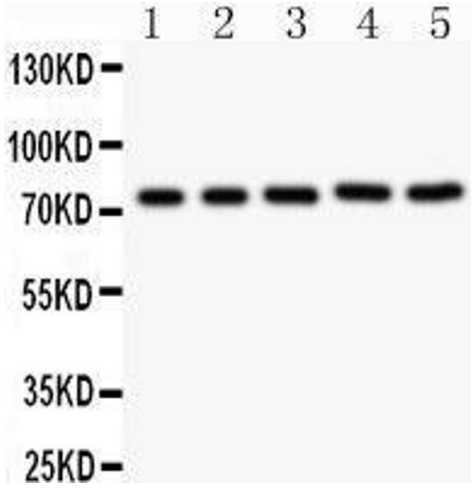
11634, (2015) (PubMed).

Chen, Bao, Zhou, Wang, Wei, Fan: "Glucose transporter-1 expression in CD133+ laryngeal carcinoma Hep-2 cells." in: **Molecular medicine reports**, Vol. 8, Issue 6, pp. 1695-700, (2013) (PubMed).

Images

Western Blotting

Image 1. Anti-RIP Picoband antibody, All lanes: Anti RIP at 0.5ug/ml WB: Recombinant Human RIP Protein 0.5ng Predicted bind size: 38KD Observed bind size: 38KD



Western Blotting

Image 2. Observed bind size: 76KD