antibodies - online.com









Overview	
Quantity:	100 μg
Target:	RIPK2
Binding Specificity:	AA 1-540
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RIPK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	Recombinant Human Receptor-interacting serine/threonine-protein kinase 2 protein (1-540AA)
Isotype:	lgG
Cross-Reactivity:	Human, Rat
Purification:	>95%, Protein G purified
Target Details	
Target:	RIPK2
Alternative Name:	RIPK2 (RIPK2 Products)
Background:	Background: Serine/threonine/tyrosine kinase that plays an essential role in modulation of innate and adaptive immune responses. Upon stimulation by bacterial peptidoglycans, NOD1

and NOD2 are activated, oligomerize and recruit RIPK2 through CARD-CARD domains. Contributes to the tyrosine phosphorylation of the guanine exchange factor ARHGEF2 through Src tyrosine kinase leading to NF-kappaB activation by NOD2. Once recruited, RIPK2 autophosphorylates and undergoes \\\'Lys-63\\\'-linked polyubiquitination by E3 ubiquitin ligases XIAP, BIRC2 and BIRC3. The polyubiquitinated protein mediates the recruitment of MAP3K7/TAK1 to IKBKG/NEMO and induces \\\'Lys-63\\\'-linked polyubiquitination of IKBKG/NEMO and subsequent activation of IKBKB/IKKB. In turn, NF-kappa-B is released from NF-kappa-B inhibitors and translocates into the nucleus where it activates the transcription of hundreds of genes involved in immune response, growth control, or protection against apoptosis. Plays also a role during engagement of the T-cell receptor (TCR) in promoting BCL10 phosphorylation and subsequent NF-kappa-B activation.

Aliases: CARD 3 antibody, CARD carrying kinase antibody, CARD containing ICE associated kinase antibody, CARD containing IL 1 beta ICE kinase antibody, CARD containing IL1 beta ICE kinase antibody, CARD containing interleukin 1 beta converting enzyme (ICE) associated kinase antibody, CARD containing interleukin 1 beta converting enzyme associated kinase antibody, CARD-containing IL-1 beta ICE-kinase antibody, CARD-containing interleukin-1 beta-converting enzyme-associated kinase antibody, CARD3 antibody, CARD1AK antibody, CCK antibody, CLARP kinase antibody, GIG 30 antibody, GIG30 antibody, Growth inhibiting gene 30 antibody, Receptor interacting protein (RIP) like interacting caspase like apoptosis regulatory protein (CLARP) kinase antibody, Receptor interacting protein 2 antibody, Receptor interacting serine threonine kinase 2 antibody, Receptor-interacting protein 2 antibody, Receptor-interacting protein 2 antibody, RIP 2 antibody, RIP like interacting CLARP kinase antibody, RIP-2 antibody, RIP-1 kinase antibody, RIP-2 antibody, RIP-2 antibody, RIP-2 antibody, RIP-2 antibody, RIP-3 antibody, RIP-3 antibody, RIP-3 antibody, RIP-4 RIP-3 antibody, RIP-3 antibody, RIP-4 RIP-3 antibody, RIP-3 anti

UniProt:

043353

Pathways:

TCR Signaling, Neurotrophin Signaling Pathway, Activation of Innate immune Response,
Cellular Response to Molecule of Bacterial Origin, Positive Regulation of Immune Effector
Process, Toll-Like Receptors Cascades

Application Details

Application Notes:

Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IF:1:50-1:200,

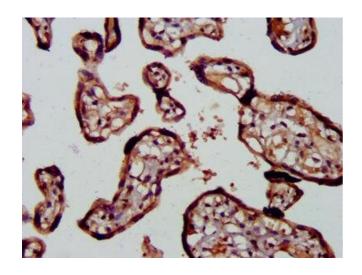
Restrictions:

For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



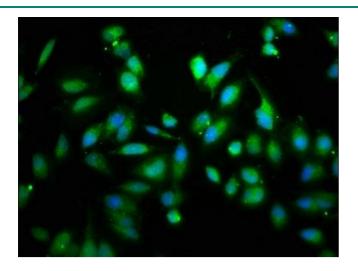
$120\text{KD} \rightarrow \text{Lim}^{\&} \leq \text{50}^{\text{Leeft}}$ $90\text{KD} \rightarrow \text{50KD} \rightarrow \text{50KD} \rightarrow \text{50KD} \rightarrow \text{25KD} \rightarrow \text{20KD} \rightarrow \text$

Immunohistochemistry

Image 1. IHC image of ABIN7167474 diluted at 1:400 and staining in paraffin-embedded human placenta tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Western Blotting

Image 2. Western Blot Positive WB detected in: Rat lung tissue, Rat spleen tissue All lanes: RIPK2 antibody at $2.7 \,\mu$ g/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 62, 46 kDa Observed band size: 62 kDa



Immunofluorescence

Image 3. Immunofluorescence staining of Hela cells with ABIN7167474 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).

Please check the product details page for more images. Overall 4 images are available for ABIN7167474.