

Product datasheet

Anti-RIP antibody ab234845

1 Image

Overview

<b>Product name</b>	Anti-RIP antibody
<b>Description</b>	Rabbit polyclonal to RIP
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Recombinant full length protein corresponding to Human RIP aa 1-656. Sequence: MQPDMSLDNIKMASSDLLEKTDLDSSGGFGKVSLEYHR SHGFVILKKVYTG PNRAEYNEVLLLEEGKMMHRLRHSRVVKLLGIIIEGNYS LVMEYMEKGNL MHVLKTQIDVPLSLKGRIVEAIEGMCYLHDKGVIHKDLK PENILVDRDF HIKADLGVASFKTWSKLTKEKDNKQKEVSSTTKKNNG GTLYYMAPEHLN DINAKPTEKSDVYSFGVWLWAIFAKKEPYENVICTEQFVI CIKSGNRPNV EEILEYCPREIISLMERCWQAIPEDRPTFLGIEEEFRPFY LSHFEEYVEE DVASLKKEYPDQSPVLQRMFSLQHDCVPLPPSRSNS EQPGSLHSSQGLQM GPVEESWFSSSPEYPQDENDRSVQAKLQEEASYHAF GIFAEKQTKPQPRQ NEAYNREEERKRRVSHDPFAQQRARENISAGARGH SDPSTTSRGIAVQQ LSWPATQTVWNNGLYNQHGFETTGTGVWYPPNLSQM YSTYKTPVPETNIP GSTPTMPYFSGPVADDLIKTYIFNSSGIQIGNHNYMDVG LNSQPPNNTCK EESTSRHQAFDNTTSLTDEHLNPIRENLGRQWKNCAR KLGFTESQIDEI DHDYERDGLKEKVYQMLQKWLMMREGTKGATVGKLAQ ALHQCCRIDLNLHL IRASQS

Database link: [Q60855](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

## Positive control

IP: K562 whole cell lysate.

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.4 Preservative: 0.03% Proclin Constituents: PBS, 50% Glycerol
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Purity <95%
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab234845** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		1/200 - 1/2000.

## Target

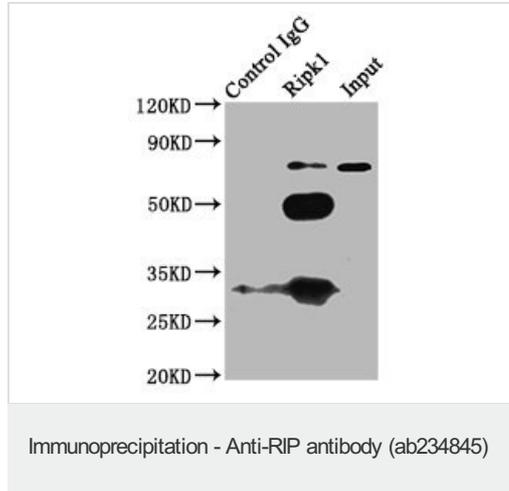
<b>Function</b>	Essential adapter molecule for the activation of NF-kappa-B. Following different upstream signals (binding of inflammatory cytokines, stimulation of pathogen recognition receptors, or DNA damage), particular RIPK1-containing complexes are formed, initiating a limited number of cellular responses. Upon TNFA stimulation RIPK1 is recruited to a TRADD-TRAF complex initiated by TNFR1 trimerization. There, it is ubiquitinated via 'Lys-63'-link chains, inducing its association with the IKK complex, and its activation through NEMO binding of polyubiquitin chains.
<b>Sequence similarities</b>	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Contains 1 death domain. Contains 1 protein kinase domain.
<b>Post-translational modifications</b>	Proteolytically cleaved by caspase-8 during TNF-induced apoptosis. Cleavage abolishes NF-kappa-B activation and enhances pro-apoptotic signaling through the TRADD-FADD interaction. Autophosphorylated on serine and threonine residues. Ubiquitinated by 'Lys-11-', 'Lys-48-', 'Lys-63'- and linear-linked type ubiquitin. Polyubiquitination with 'Lys-63'-linked chains by TRAF2 induces association with the IKK complex. Deubiquitination of 'Lys-63'-linked chains and polyubiquitination with 'Lys-48'-linked chains by TNFAIP3 leads to RIPK1 proteasomal degradation and consequently to the termination of the TNF- or Linear

polyubiquitinated; the head-to-tail polyubiquitination is mediated by the LUBAC complex. LPS-mediated activation of NF-kappa-B. Also ubiquitinated with 'Lys-11'-linked chains.

## Cellular localization

Cytoplasm.

## Images



RIP was immunoprecipitated from 500 µg of K562 (human chronic myelogenous leukemia cell line from bone marrow) whole cell lysate using ab234845 at 1/200 dilution.

**Lane 1:** Rabbit control IgG (1µg) instead of ab234845 in K562 whole cell lysate.

**Lane 2:** ab234845 IP in K562 whole cell lysate (input).

**Lane 3:** K562 whole cell lysate (10µg)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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