G-Biosciences Image not found or type unknown

Immunotag™ RIPK2 Antibody

Antibody Specification

Catalog No.	ITA3581
Product Description	Immunotag™ RIPK2 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	RIPK2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide
Specificity	RIPK2 antibody detects endogenous levels of total RIPK2
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Gene Name	RIPK2
Accession No.	O43353

Antibody Specification

Alternate Names	CARD 3; CARD carrying kinase; CARD containing ICE associated kinase; CARD containing IL 1 beta ICE kinase; CARD containing IL1 beta ICE kinase; CARD containing interleukin 1 beta converting enzyme (ICE) associated kinase; CARD containing interleukin 1 beta converting enzyme associated kinase; CARD-containing IL-1 beta ICE-kinase; CARD-containing interleukin-1 beta-converting enzyme-associated kinase; CARD3; CARDIAK; CCK; CLARP kinase; GIG 30; GIG30; Growth inhibiting gene 30; Receptor interacting protein (RIP) like interacting caspase like apoptosis regulatory protein (CLARP) kinase; Receptor interacting protein 2; Receptor interacting serine threonine kinase 2; Receptor interacting serine/threonine protein kinase 2; Receptor-interacting protein 2; Receptor-interacting serine/threonine-protein kinase 2; RICK; RIP 2; RIP like interacting CLARP kinase; RIP-2; RIP-like-interacting CLARP kinase; RIPK 2; Ripk2; RIPK2_HUMAN; TNFRSF; Tyrosine-protein kinase RIPK2; UNQ277/PRO314/PRO34092;
Description	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.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	60 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.