

RIPK2 antibody

Product Information

Catalog No.:	FNab07314
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

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.

Immunogen information

Immunogen:	receptor-interacting serine-threonine kinase 2
Synonyms:	Receptor-interacting serine/threonine-protein kinase 2 CARD-containing interleukin-1 beta-converting enzyme-associated kinase (CARD-containing IL-1 beta ICE-kinase) RIP-like-interacting CLARP kinase Receptor-interacting protein 2 (RIP-2) Tyrosine-protein kinase RIPK2 RIPK2 CARDIAK RICK RIP2

Observed MW: 46-55 kDa, 61-72 kDa

Uniprot ID : O43353

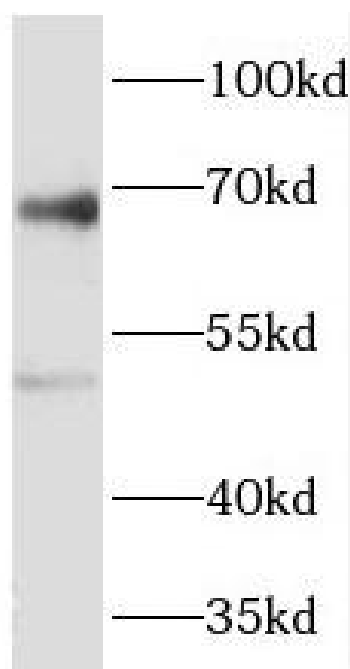
Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, WB

Recommended dilution: WB: 1:500-1:2000

Image:



HEK-293T cells were subjected to SDS PAGE followed by western blot with FNab07314(RIPK2 antibody) at dilution of 1:1000