

Product Name: KD-Validated RIPK1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01681**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 75.9kDa

Antigen Information

Gene Name	RIPK1
Alternative Names	RIPK1; Receptor Interacting Serine/Threonine Kinase 1; RIP-1; RIP1; RIP; Receptor (TNFRSF)-Interacting Serine-Threonine Kinase 1; Receptor-Interacting Serine/Threonine-Protein Kinase 1; Receptor-Interacting Protein Kinase 1; Receptor-Interacting Protein 1; Cell Death Protein RIP; Serine/Threonine-Protein Kinase RIP; EC 2.7.11.1; AIEFL; IMD57
Gene ID	8737.0
SwissProt ID	Q13546
Immunogen	A synthesized peptide derived from human RIP

Background

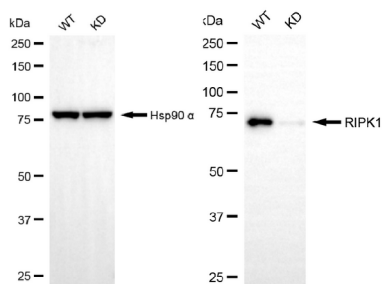
This gene encodes a member of the receptor-interacting protein (RIP) family of serine/threonine protein kinases. The encoded

protein plays a role in inflammation and cell death in response to tissue damage, pathogen recognition, and as part of developmental regulation. RIPK1/RIPK3 kinase-mediated necrosis is referred to as necroptosis. Genetic disruption of this gene in mice results in death shortly after birth. [provided by RefSeq, Aug 2017]

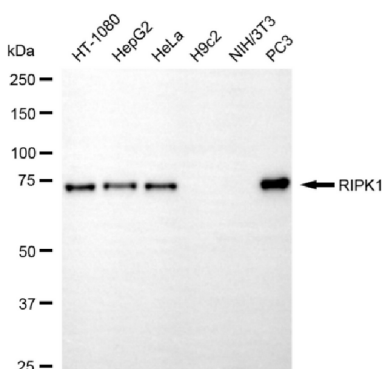
Research Area

Cell Biology, Signal Transduction, Cancer, Neuroscience

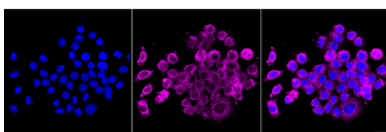
Image Data



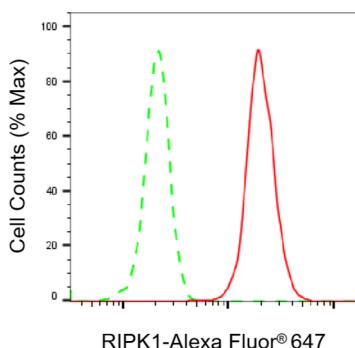
Western blotting analysis using RIPK1 antibody (KVA01681). RIPK1 expression in wild-type (WT) and RIPK1 knockdown (KD) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with RIPK1 antibody (KVA01681, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using RIPK1 antibody (KVA01681). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with RIPK1 antibody (KVA01681, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with RIPK1 antibody (KVA01681, 1:1,000). Nuclei were stained blue with DAPI; RIPK1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of RIPK1 expression in HepG2 cells using RIPK1 antibody (KVA01681, 1:2,000). Green, isotype control; red, RIPK1.