

Human, Mouse RIPK2 ELISA Kit | RIPK2 elisa kit

Phospho-RIPK2 (Ser176) Colorimetric Cell-Based ELISA Kit

CATALOG #
AAA30733

REACTIVITY
Human, Mouse

PRODUCT SYNONYMS

RIPK2; Phospho-RIPK2 (Ser176) Colorimetric Cell-Based ELISA Kit; CARD-containing IL-1 beta ICE-kinase; CARD-containing interleukin-1 beta converting enzyme associated kinase; CARDIAK; kinase RIPK2; Receptor-interacting protein 2; Receptor-interacting serine/threonine protein kinase 2; RICK; RIP-2; RIP-like interacting CLARP kinase; RIP2; RIPK2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse
Specificity	The Anti-RIPK2 (Phospho-Ser176) Antibody is a rabbit polyclonal antibody. It was tested on Western Blots for specificity. The data in Figure 2 shows that a single protein band was detected. This protein band can be blocked by the synthesized immunogen peptide.
Form/Format	Two 96-Well Plates
Sequence Length	540
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for RIPK2 elisa kit

Background: The Colorimetric Cell-Based ELISA Kit allows for the detection of various target proteins and the effects that certain stimulation conditions have on target protein expression in different cell lines. Qualitative determination of target protein concentration is achieved by an indirect ELISA format. In essence, the target protein is captured by target-specific primary (1 degree) antibodies while the HRP-conjugated secondary (2 degree) antibodies bind the Fc region of the 1 degree antibody. Through this binding, the HRP enzyme conjugated to the 2 degree antibody can catalyze a colorimetric reaction upon substrate addition. Due to the qualitative nature of the Cell-Based ELISA, multiple normalization methods are described: 1) a monoclonal antibody specific for human GAPDH is included to serve as an internal positive control in normalizing the target absorbance values. 2) Following the colorimetric measurement of HRP activity via substrate addition, the Crystal Violet whole-cell staining method is used to determine cell density. After staining, the results can be analyzed by normalizing the absorbance values to cell amounts, by which the plating difference can be adjusted. 3) If a phosphorylated target is being detected, an antibody against the non- phosphorylated counterpart will be provided for normalization purposes. The absorbance values obtained for the non-phosphorylated target can be used to normalize the absorbance values for the phosphorylated target.

Principle of the Assay: The RIPK2 (Phospho-Ser176) Cell-Based ELISA Kit is a convenient, lysate- free, high throughput and sensitive assay kit that can monitor RIPK2 protein phosphorylation and expression profile in cells. The kit can be used for measuring the relative amounts of phosphorylated RIPK2 in cultured cells as well as screening for the effects that various treatments, inhibitors (ie. siRNA or chemicals), or activators have on RIPK2 phosphorylation.

Product Categories/Family for RIPK2 elisa kit

[Cell Based ELISA Kit](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506537
NCBI GeneID	8767

NCBI Accession #	NP_003812.1
NCBI GenBank Nucleotide #	NM_003821.5
UniProt Accession #	O43353; Q6UWF0; B7Z748
Molecular Weight	61195
NCBI Official Full Name	receptor-interacting serine/threonine-protein kinase 2
NCBI Official Synonym Full Names	receptor interacting serine/threonine kinase 2
NCBI Official Symbol	RIPK2
NCBI Official Synonym Symbols	CCK; RICK; RIP2; CARD3; GIG30; CARDIAK
NCBI Protein Information	receptor-interacting serine/threonine-protein kinase 2
UniProt Protein Name	Receptor-interacting serine/threonine-protein kinase 2
UniProt Gene Name	RIPK2
UniProt Synonym Gene Names	CARDIAK; RICK; RIP2; CARD-containing IL-1 beta ICE-kinase; RIP-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-mouse-elisa-kits/ripk2/30733>