abcam

Product datasheet

Recombinant human RIP2 protein (Active) ab271734

2 Images

Description

Product name	Recombinant human RIP2 protein (Active)
Biological activity	Specific Activity: ≥15 pmol/min/µg. Assay Conditions: Assay was done in a Kinase buffer using MBP (0.2 mg/ml) as a substrate with 20 µM ATP at 30°C for 45 minutes. The amount of ATP transferred was calculated using Kinase-Glo reagent.
Purity	>= 90 % SDS-PAGE. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Accession	O43353
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	NGEAICSALPTIPYHKLADLRYLSRGASGTVSSARHADWR VQVAVKHLHI HTPLLDSERKDVLREAEILHKARFSYILPILGICNEPEFLGIV TEYMPNG SLNELLHRKTEYPDVAWPLRFRILHEIALGVNYLHNMTPPL LHHDLKTQN ILLDNEFHVKIADFGLSKWRMMSLSQSRSSKSAPEGGTIIY MPPENYEPG QKSRASIKHDIYSYAVITWEVLSRKQPFEDVTNPLQIMYSV SQGHRPVIN EESLPYDIPHRARMISLIESGWAQNPDERPSFLKCLIELEP VLRTFEE
Predicted molecular weight	61 kDa including tags
Amino acids	2 to 299
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab271734** in the following tested applications.

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

Applications	Functional Studies SDS-PAGE
Form	Liquid

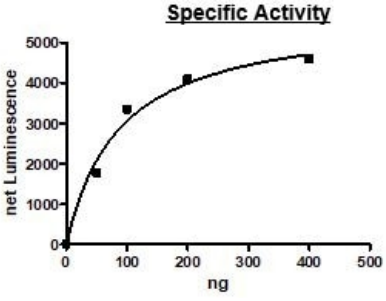
Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle. pH: 7.5 Constituents: 0.64% Sodium chloride, 0.02% Potassium chloride, 0.04% Tween, 20% Glycerol (glycerin, glycerine), 0.05% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 0.63% Tris HCl This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

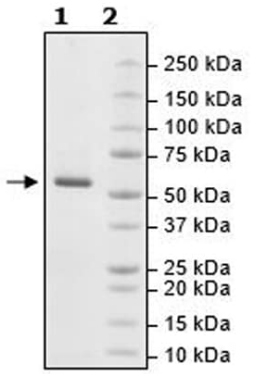
Function	Activates pro-caspase-1 and pro-caspase-8. Potentiates CASP8-mediated apoptosis. Activates NF-kappa-B.
Tissue specificity	Detected in heart, brain, placenta, lung, peripheral blood leukocytes, spleen, kidney, testis, prostate, pancreas and lymph node.
Sequence similarities	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Contains 1 CARD domain. Contains 1 protein kinase domain.
Post-translational modifications	Autophosphorylated. Phosphorylated upon DNA damage, probably by ATM or ATR. Ubiquitinated; undergoes 'Lys-63'-linked polyubiquitination catalyzed by ITCH.
Cellular localization	Cytoplasm.

Images



Functional Studies - Recombinant human RIP2 protein (Active) (ab271734)

Specific activity of ab271734 was ≥15 pmol/min/µg.



SDS-PAGE - Recombinant human RIP2 protein (Active) (ab271734)

SDS-PAGE analysis of ab271734.

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