

Product datasheet

Recombinant human DAP Kinase 1 protein ab63191

5 Images

Description

Product name	Recombinant human DAP Kinase 1 protein
Biological activity	Specific activity: 49 nmol/min/mg.
Expression system	Baculovirus infected Sf9 cells
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Amino acids	1 to 363

Specifications

Our [Abpromise guarantee](#) covers the use of **ab63191** 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
Additional notes	ab64311 (Myelin Basic Protein protein) can be utilized as a substrate for assessing kinase activity

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.0038% EGTA, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

Function	Calcium/calmodulin-dependent serine/threonine kinase which acts as a positive regulator of
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apoptosis.

Sequence similarities

Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. DAP kinase subfamily.

Contains 10 ANK repeats.

Contains 1 death domain.

Contains 1 protein kinase domain.

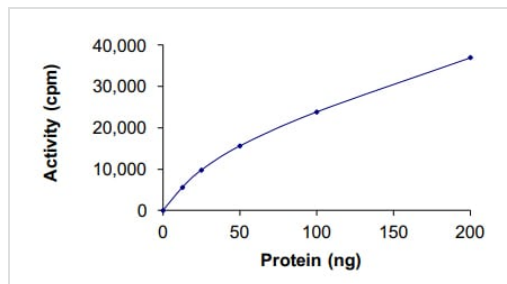
Post-translational modifications

Ubiquitinated by the BCR(KLHL20) E3 ubiquitin ligase complex, leading to its degradation by the proteasome.

Cellular localization

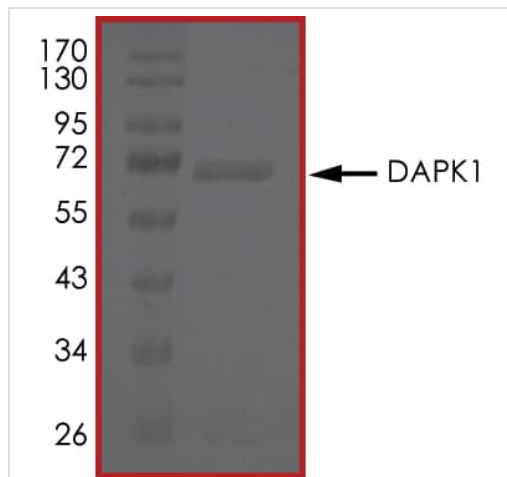
Cytoplasm. Colocalizes with the actin filament system.

Images



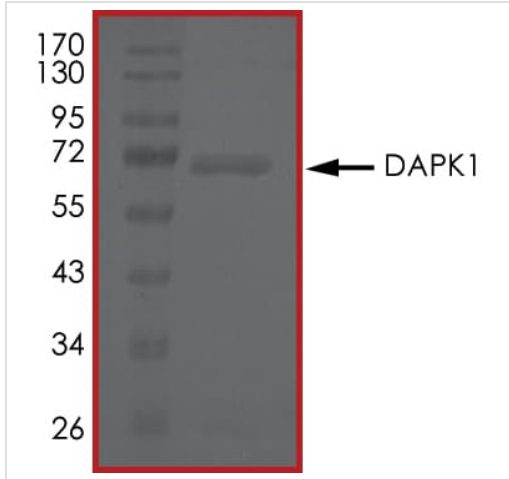
The specific activity of DAP Kinase 1 (ab63191) was determined to be 42 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant human DAP Kinase 1 protein (ab63191)



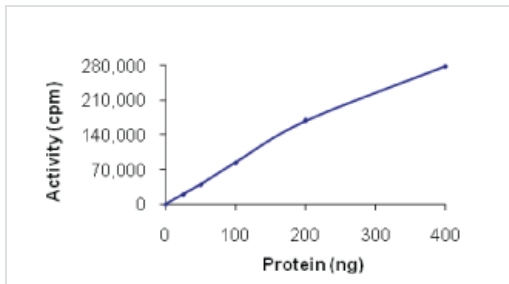
SDS PAGE analysis of ab63191

SDS-PAGE - Recombinant human DAP Kinase 1 protein (ab63191)



SDS PAGE analysis of ab63191

SDS-PAGE - Recombinant human DAP Kinase 1 protein (ab63191)



Sample Kinase Activity Plot.

Functional Studies - Recombinant human DAP Kinase 1 protein (ab63191)



ab63191 on SDS-PAGE. Molecular Weight: ~71 kDa.

SDS-PAGE - Recombinant human DAP Kinase 1 protein (ab63191)

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