abcam

Product datasheet

Recombinant mouse TTBK2 protein ab125631

2 Images

Description

Product name	Recombinant mouse TTBK2 protein
Biological activity	The specific activity of ab125631 was determined to be 370 nmol/min/mg.
Purity	> 95 % Densitometry. >95% by Densitometry,. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Accession	Q3UVR3
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Mouse
Predicted molecular weight	88 kDa including tags
Amino acids	70 to 538
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab125631** in the following tested applications.

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

Applications	Western blot 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 -80ºC. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.31% Glutathione, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA,

25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

Function

Serine/threonine kinase which is able to phosphorylate tau on serines.

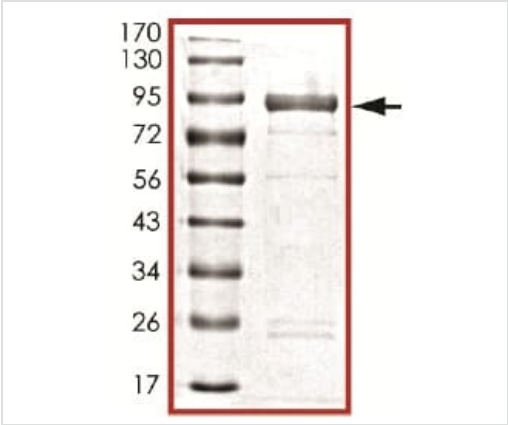
Involvement in disease

Defects in TTBK2 are the cause of spinocerebellar ataxia type 11 (SCA11) [MIM:604432]. Spinocerebellar ataxia is a clinically and genetically heterogeneous group of cerebellar disorders. Patients show progressive incoordination of gait and often poor coordination of hands, speech and eye movements, due to degeneration of the cerebellum with variable involvement of the brainstem and spinal cord. SCA11 is an autosomal dominant cerebellar ataxia (ADCA). It is a relatively benign, late-onset, slowly progressive neurologic disorder.

Sequence similarities

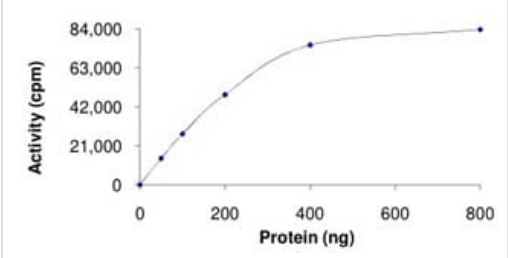
Belongs to the protein kinase superfamily. CK1 Ser/Thr protein kinase family.
Contains 1 protein kinase domain.

Images



SDS-PAGE - Recombinant mouse TTBK2 protein (ab125631)

SDS-PAGE of ab125631.



Functional Studies - Recombinant mouse TTBK2 protein (ab125631)

The specific activity of ab125631 was determined to be 370 nmol/min/mg.

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