abcam

Product datasheet

Recombinant Human KAT4 / TBP Associated Factor 1 protein ab159623

1 Image

Overview

Product name	Recombinant Human KAT4 / TBP Associated Factor 1 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Sequence	RMLQENTRMDMENEESMMSYEGDGGEASHGLEDSNI SYGSYEEPDPKSNT QDTSFSSIGGYEVSEEEEDEEEEEQRSGPSVLSQVHL SEDEEDSEDFHSI AGDSDLDSDE
Amino acids	1784 to 1893
Tags	GST tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of **ab159623** 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 ELISA
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

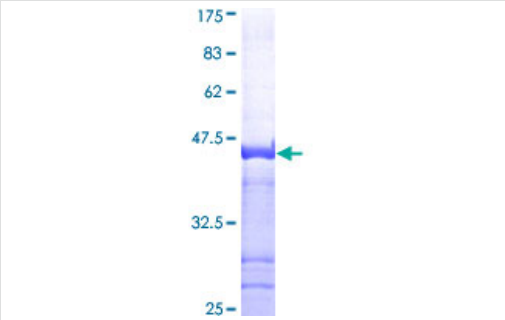
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Largest component and core scaffold of the TFIID basal transcription factor complex. Contains novel N- and C-terminal Ser/Thr kinase domains which can autophosphorylate or transphosphorylate other transcription factors. Phosphorylates TP53 on 'Thr-55' which leads to MDM2-mediated degradation of TP53. Phosphorylates GTF2A1 and GTF2F1 on Ser residues. Possesses DNA-binding activity. Essential for progression of the G1 phase of the cell cycle.
Involvement in disease	Defects in TAF1 are the cause of dystonia type 3 (DYT3) [MIM:314250]; also called X-linked dystonia-parkinsonism (XDP). DYT3 is a X-linked dystonia-parkinsonism disorder. Dystonia is defined by the presence of sustained involuntary muscle contractions, often leading to abnormal postures. DYT3 is characterized by severe progressive torsion dystonia followed by parkinsonism. Its prevalence is high in the Philippines. DYT3 has a well-defined pathology of extensive neuronal loss and mosaic gliosis in the striatum (caudate nucleus and putamen) which appears to resemble that in Huntington disease.
Sequence similarities	Belongs to the TAF1 family. Contains 2 bromo domains. Contains 1 HMG box DNA-binding domain. Contains 2 protein kinase domains.
Post-translational modifications	Phosphorylated by casein kinase II in vitro.
Cellular localization	Nucleus.

Images



SDS-PAGE - Recombinant Human KAT4 / TBP Associated Factor 1 protein (ab159623)

ab159623 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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