abcam

Product datasheet

Anti-KAT4 / TBP Associated Factor 1 antibody [EPR7145(2)] - BSA and Azide free ab249446

Recombinant RabMAb

2 Images

Overview

Product name	Anti-KAT4 / TBP Associated Factor 1 antibody [EPR7145(2)] - BSA and Azide free
Description	Rabbit monoclonal [EPR7145(2)] to KAT4 / TBP Associated Factor 1 - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** WB **Unsuitable for:** Flow Cyt,ICC/IF,IHC-P or IP
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat
Immunogen	Synthetic peptide within Human KAT4/ TBP Associated Factor 1. The exact sequence is proprietary. Database link: **P21675**
General notes	ab249446 is the carrier-free version of **ab168346**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit

monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Affinity purified
Clonality	Monoclonal
Clone number	EPR7145(2)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249446 in the following tested applications.

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

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 280 kDa (predicted molecular weight: 213 kDa).

Application notes Is unsuitable for Flow Cyt,ICC/IF,IHC-P or IP.

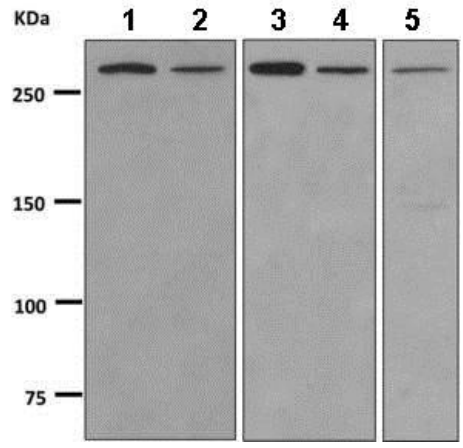
Target

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	Phosphorylated by casein kinase II in vitro.

modifications

Cellular localization Nucleus.

Images



Western blot - Anti-KAT4 / TBP Associated Factor 1 antibody [EPR7145(2)] - BSA and Azide free (ab249446)

All lanes : Anti-KAT4 / TBP Associated Factor 1 antibody [EPR7145(2)] (**ab168346**) at 1/1000 dilution

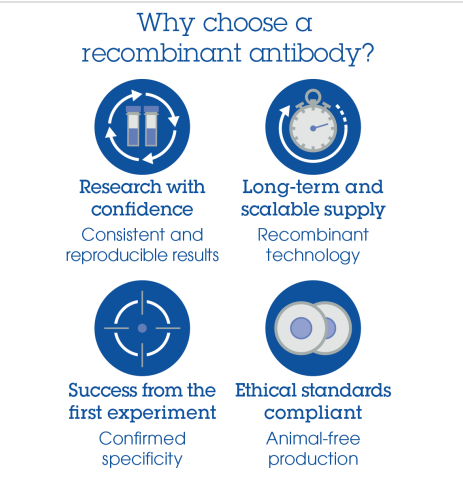
Lane 1 : 293T lysate
Lane 2 : SH-SY5Y lysate
Lane 3 : HepG2 lysate
Lane 4 : Human fetal brain lysate
Lane 5 : Jurkat lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 213 kDa

This data was developed using **ab168346**, the same antibody clone in a different buffer formulation.



Anti-KAT4 / TBP Associated Factor 1 antibody [EPR7145(2)] - BSA and Azide free (ab249446)

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