

ATF-5 (Acetyl Lys29) Rabbit pAb

CatalogNo: YK0024

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 30kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:20000

Not yet tested in other applications.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized Acetyl-peptide derived from human ATF5 around the Acetylation site of Lys29. AA range:1-50

Specificity Acetyl-ATF-5 (K29) Polyclonal Antibody detects endogenous levels of ATF-5 protein only when acetylated at K29. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): YGkLP

Target Information

Gene name ATF5

Protein Name Cyclic AMP-dependent transcription factor ATF-5

Organism	Gene ID	UniProt ID
Human	22809;	Q9Y2D1;
Mouse	107503;	O70191;
Rat	282840;	Q6P788;

Cellular Localization

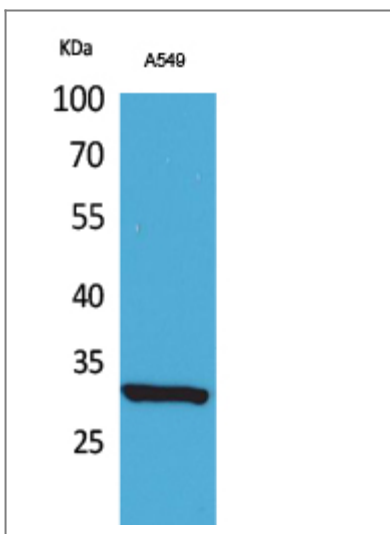
Cytoplasm . Nucleus . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Actively transported to the centrosome and accumulated in the pericentriolar material (PCM) during G1 to M phase via a microtubule-dependent mechanism. During late telophase and cytokinesis, translocates from the centrosome to the midbody. .

Tissue specificity Widely expressed with higher expression levels in liver.

Function

Function:Transcriptional activator which binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters and blocks the differentiation of neuroprogenitor cells into neurons. Its transcriptional activity is enhanced by CCND3 and slightly inhibited by CDK4.,similarity:Belongs to the bZIP family.,similarity:Contains 1 bZIP domain.,subunit:Binds DNA as a dimer. Interacts with PTP4A1/PRL-1 (By similarity). Interacts with CCND3, but not with CCND1 or CCND2.,

Validation Data



Western Blot analysis of A549 cells using Acetyl-ATF-5 (K29) Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

Contact information

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Lys29) Rabbit pAb**

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