[KO Validated] ATF3 Rabbit mAb

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Catalog No.: A28345 KO Validated Recombinant

Basic Information

Observed MW

23 kDa/24 kDa

Calculated MW

12-21 kDa

Category

Primary antibody

Applications

WB,IP,ChIP,ELISA

Cross-Reactivity

Human, Mouse

CloneNo number

ARC77618

Background

This gene encodes a member of the mammalian activation transcription factor/cAMP responsive element-binding (CREB) protein family of transcription factors. This gene is induced by a variety of signals, including many of those encountered by cancer cells, and is involved in the complex process of cellular stress response. Multiple transcript variants encoding different isoforms have been found for this gene. It is possible that alternative splicing of this gene may be physiologically important in the regulation of target genes.

Recommended Dilutions

WB 1:2000 - 1:5000

0.5μg-4μg antibody for ΙP 200µg-400µg extracts of

whole cells

ChIP 5µg antibody for

10μg-15μg of Chromatin

Recommended starting **ELISA**

concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For highratio antibody dilutions (≥1:10000)∏a sequential dilution method is strongly recommended to ensure measurement

accuracy.

Immunogen Information

Gene ID Swiss Prot 467 P18847

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

ATF3

Product Information

Source Isotype **Purification** Rabbit IgG Affinity purification

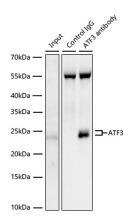
Storage

Store at -20°C. Avoid freeze / thaw cycles.

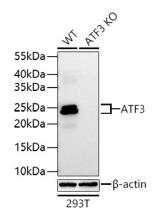
Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Contact

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Immunoprecipitation of ATF3 from 300 μ g extracts of 293T cells was performed using 2 μ g of [KO Validated] ATF3 Rabbit mAb (A28345). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using [KO Validated] ATF3 Rabbit mAb (A28345) at a dilution of 1:5000.

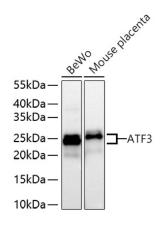


Western blot analysis of lysates from wild type (WT) and ATF3 knockout (KO) 293T cells using [KO Validated] ATF3 Rabbit mAb (A28345) at 1:5000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90 s.



Western blot analysis of various lysates using [KO Validated] ATF3 Rabbit mAb (A28345) at 1:5000 dilution incubated overnight at 4° C.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

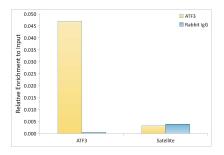
Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90 s.

Validation Data



Chromatin immunoprecipitation was performed with 15 µg of cross-linked chromatin from 293T cells, using 5 µg of [KO Validated] ATF3 Rabbit mAb (A28345) and Rabbit lgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.