

[KO Validated] CREB1 Rabbit mAb

Catalog No.: A27461 **KO** **Validated** **Recombinant**

Basic Information

Observed MW

43 kDa

Calculated MW

35 kDa

Category

Primary antibody

Applications

WB, IHC-P, IF/ICC, IP, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC3481

Background

This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds as a homodimer to the cAMP-responsive element, an octameric palindrome. The protein is phosphorylated by several protein kinases, and induces transcription of genes in response to hormonal stimulation of the cAMP pathway. Alternate splicing of this gene results in several transcript variants encoding different isoforms.

Recommended Dilutions

WB 1:1000 - 1:5000**IHC-P** 1:100 - 1:5000**IF/ICC** 1:100 - 1:500**IP** 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay requirements.**ChIP** 5µg antibody for 5µg-10µg
of Chromatin

Immunogen Information

Gene ID

1385

Swiss Prot

P16220

Immunogen

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

Synonyms

CREB; CREB-1

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

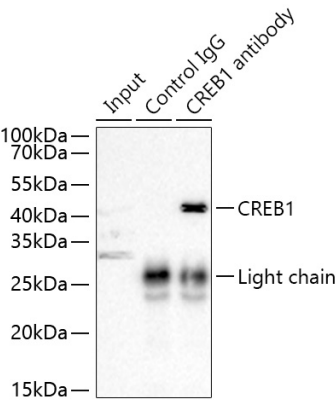
Contact

☎ | 400-999-6126

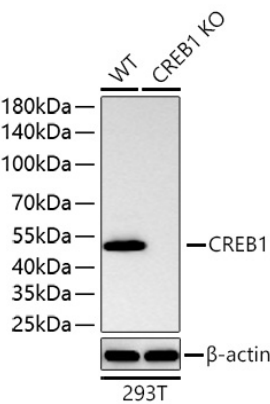
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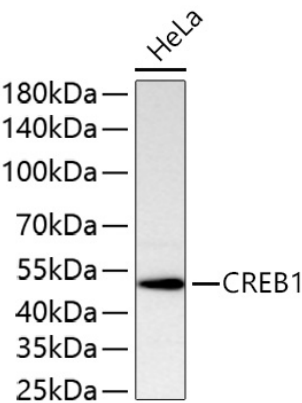
Validation Data



Immunoprecipitation of CREB1 from 300 µg extracts of 293T cells was performed using 0.5 µg of [KO Validated] CREB1 Rabbit mAb (A27461). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using [KO Validated] CREB1 Rabbit mAb (A27461) at a dilution of 1:1000.

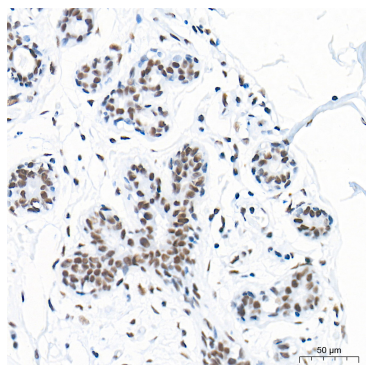


Western blot analysis of lysates from wild type (WT) and CREB1 knockout (KO) 293T cells using [KO Validated] CREB1 Rabbit mAb (A27461) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45 s.

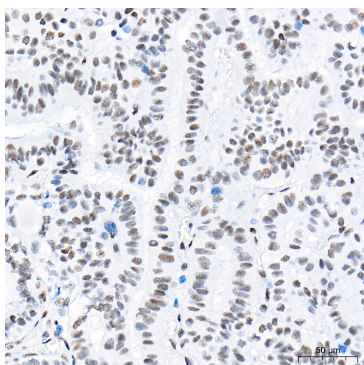


Western blot analysis of lysates from HeLa cells using [KO Validated] CREB1 Rabbit mAb (A27461) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45 s.

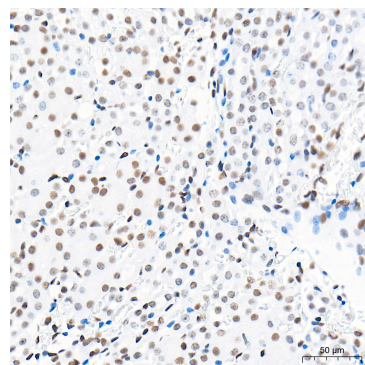
Validation Data



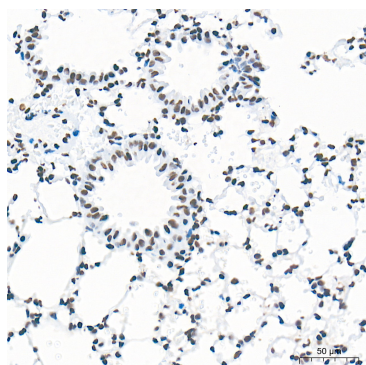
Immunohistochemistry analysis of paraffin-embedded Human breast tissue using [KO Validated] CREB1 Rabbit mAb (A27461) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using [KO Validated] CREB1 Rabbit mAb (A27461) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using [KO Validated] CREB1 Rabbit mAb (A27461) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using [KO Validated] CREB1 Rabbit mAb (A27461) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.