

[KO Validated] Activator protein 2 (AP-2/TFAP2A) Mouse mAb

Catalog No.: A28713 **KO** Validated

Basic Information

Observed MW

48 kDa

Calculated MW

48 kDa/47 kDa/41 kDa

Category

Primary antibody

Applications

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

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

AMC0909

Background

The protein encoded by this gene is a transcription factor that binds the consensus sequence 5'-GCCNNNGGC-3'. The encoded protein functions as either a homodimer or as a heterodimer with similar family members. This protein activates the transcription of some genes while inhibiting the transcription of others. Defects in this gene are a cause of branchiooculofacial syndrome (BOFS). Three transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB 1:2000 - 1:10000**IF/ICC** 1:100 - 1:200**IF-P** 1:100 - 1:200**IHC-P** 1:100 - 1:400

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000)

Immunogen Information

Gene ID

7020

Swiss Prot

P05549

Immunogen

This information is considered to be commercially sensitive.

Synonyms

AP-2; BOFS; AP2TF; TFAP2; AP-2alpha

Product Information

Source

Mouse

Isotype

Mouse IgG2bk

Purification

Affinity purification

Storage

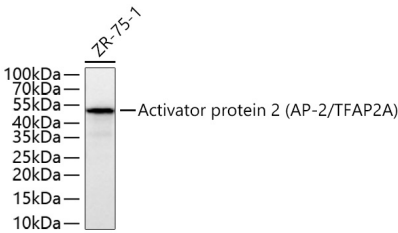
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with < 0.1% sodium azide and 0.1% gelatin, pH7.3.

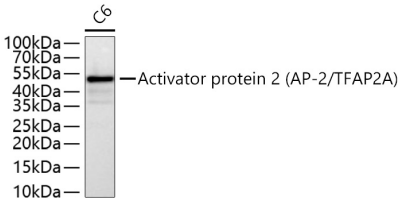
Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

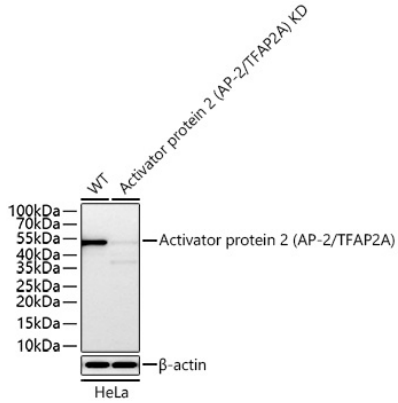
Validation Data



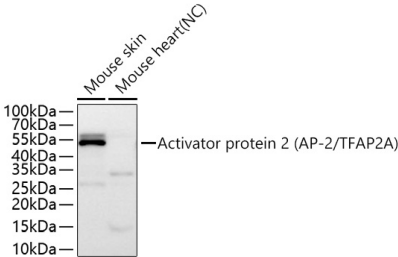
Western blot analysis of lysates from ZR-75-1 cells using [KO Validated] Activator protein 2 (AP-2/TFAP2A) Mouse mAb (A28713) at 1:2000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1 s.



Western blot analysis of lysates from C6 cells using [KO Validated] Activator protein 2 (AP-2/TFAP2A) Mouse mAb (A28713) at 1:2000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) 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: 20 s.

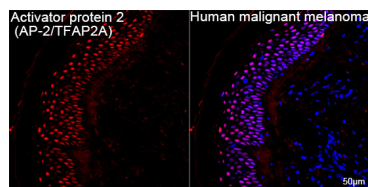


Western blot analysis of lysates from wild type (WT) and Activator protein 2 (AP-2/TFAP2A) knockout (KO) HeLa cells using [KO Validated] Activator protein 2 (AP-2/TFAP2A) Mouse mAb (A28713) at 1:2000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) 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: 60 s.

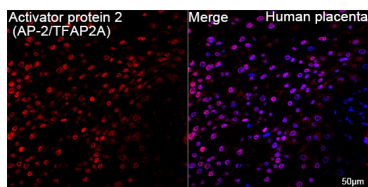


Western blot analysis of various lysates using [KO Validated] Activator protein 2 (AP-2/TFAP2A) Mouse mAb (A28713) at 1:2000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): Mouse heart.
Exposure time: 60 s.

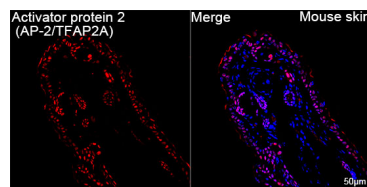
Validation Data



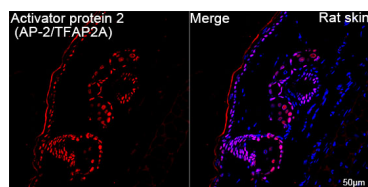
Confocal imaging of paraffin-embedded Human malignant melanoma tissue using [KO Validated] Activator protein 2 (AP-2/TFAP2A) Mouse mAb (A28713, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



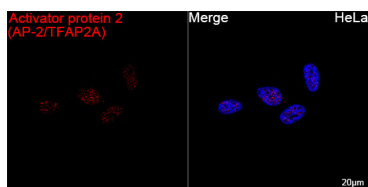
Confocal imaging of paraffin-embedded Human placenta tissue using [KO Validated] Activator protein 2 (AP-2/TFAP2A) Mouse mAb (A28713, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



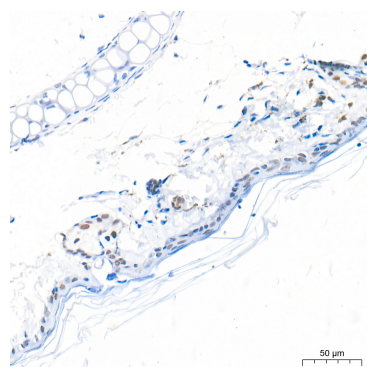
Confocal imaging of paraffin-embedded Mouse skin tissue using [KO Validated] Activator protein 2 (AP-2/TFAP2A) Mouse mAb (A28713, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



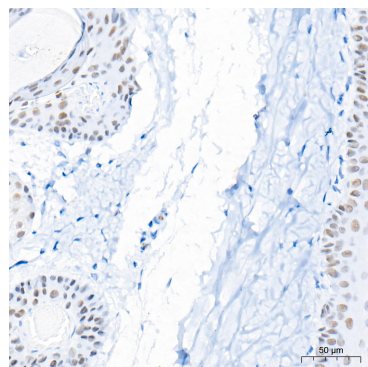
Confocal imaging of paraffin-embedded Rat skin tissue using [KO Validated] Activator protein 2 (AP-2/TFAP2A) Mouse mAb (A28713, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of HeLa cells using [KO Validated] Activator protein 2 (AP-2/TFAP2A) Mouse mAb (A28713, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded Mouse skin tissue using [KO Validated] Activator protein 2 (AP-2/TFAP2A) Mouse mAb (A28713) at a dilution of 1:200 (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 Rat skin tissue using [KO Validated] Activator protein 2 (AP-2/TFAP2A)

Validation Data

Mouse mAb (A28713) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.