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

Catalog No.: A28713

Basic Information

Observed MW
48 kDa

Calculated MW
48 kDa/47 kDa/41 kDa

Category
Monoclonal Antibodies

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

Cross Reactivity
Human, Mouse, Rat

Clone No.
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-F	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),a sequential dilution method is strongly recommended to ensure measurement accuracy.

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

Contact

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www.abclonal.com.cn

Product Information

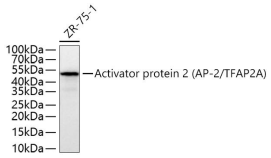
Source
Mouse

Isotype
Mouse IgG2bκ

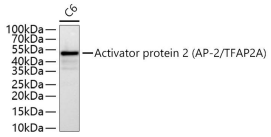
Purity
Affinity purification

Storage
Store at -20℃

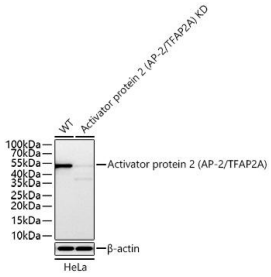
Validation Data



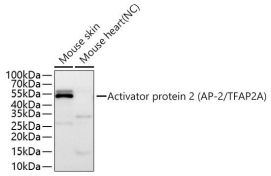
Western blot analysis of lysates from ZR-75-1 cells using [KO Validated] Activator protein 2 (AP-2/TFAP2A) Mouse mAb (A28713) at 1:2000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking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



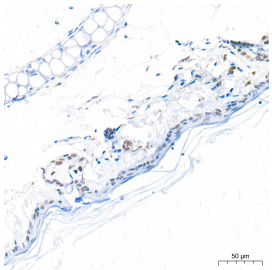
Western blot analysis of lysates from C6 cells using [KO Validated] Activator protein 2 (AP-2/TFAP2A) Mouse mAb (A28713) at 1:2000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20 s.



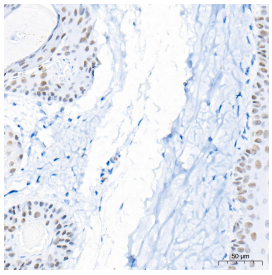
Western blot analysis of lysates from wild type (WT) and Activator protein 2 (AP-2 /TFAP2A) knockout (KO) HeLa cells using [KO Validated] Activator protein 2 (AP-2 /TFAP2A) Mouse mAb (A28713) at 1:2000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003)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



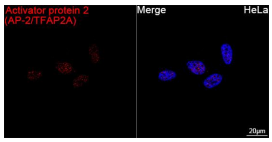
Western blot analysis of various lysates using [KO Validated] Activator protein 2 (AP-2/TFAP2A) Mouse mAb (A28713) at 1:2000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: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



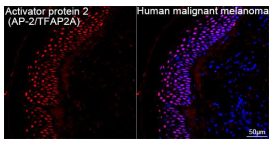
Immunohistochemistry analysis of paraffin-embedded Mouse skin tissue using [KO Validated] Activator protein 2 (AP-2/TFAP2A) Mouse mAb (A28713) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



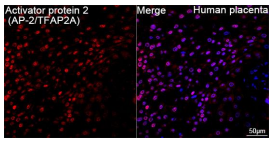
Immunohistochemistry analysis of paraffin-embedded Rat skin tissue using [KO Validated] Activator protein 2 (AP-2/TFAP2A) Mouse mAb (A28713) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



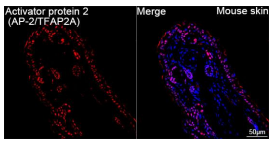
Confocal imaging of HeLa cells using [KO Validated] Activator protein 2 (AP-2/TFAP2A) Mouse mAb (A28713, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



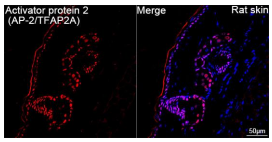
Confocal imaging of paraffin-embedded Human malignant melanoma tissue using [KO Validated] Activator protein 2 (AP-2/TFAP2A) Mouse mAb (A28713, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining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



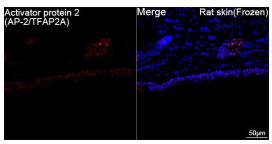
Confocal imaging of paraffin-embedded Human placenta tissue using [KO Validated] Activator protein 2 (AP-2/TFAP2A) Mouse mAb (A28713, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue).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