

[KO Validated] MKL1 Rabbit mAb

Catalog No.: A28574 **KO** **Validated** **Recombinant**

Basic Information

Observed MW

145 kDa

Calculated MW

99 kDa

Category

Primary antibody

Applications

WB, IP, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC78147

Conjugate

Unmodified

Recommended Dilutions

WB 1:6000 - 1:50000**IP** 0.5 µg - 4 µg antibody for
800 µg - 1200 µg extracts of
whole cells**IHC-P** 1:200 - 1:800**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)

Contact

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Background

The protein encoded by this gene interacts with the transcription factor myocardin, a key regulator of smooth muscle cell differentiation. The encoded protein is predominantly nuclear and may help transduce signals from the cytoskeleton to the nucleus. This gene is involved in a specific translocation event that creates a fusion of this gene and the RNA-binding motif protein-15 gene. This translocation has been associated with acute megakaryocytic leukemia. Alternative splicing results in multiple transcript variants.

Immunogen Information

Gene ID

57591

Swiss Prot

Q969V6

Immunogen

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

Synonyms

MAL; MKL; BSAC; MKL1; MRTF-A

Product Information

Source

Rabbit

Isotype

IgG

Purification

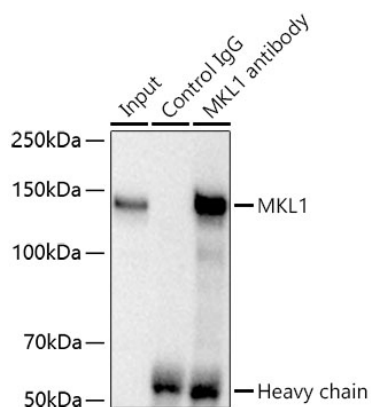
Affinity purification

Storage

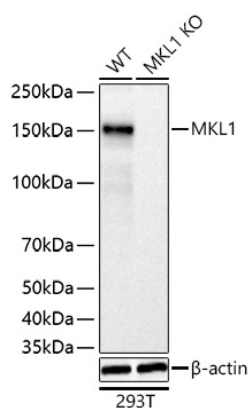
Store at -20°C. Avoid freeze / thaw cycles.

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

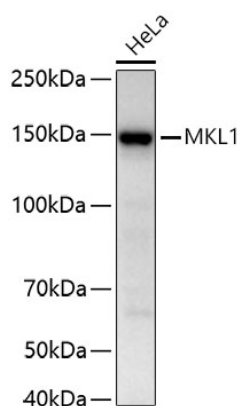
Validation Data



Immunoprecipitation of MKL1 from 1000 µg extracts of 293T cells was performed using 2 µg of [KO Validated] MKL1 Rabbit mAb (A28574). 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] MKL1 Rabbit mAb (A28574) at a dilution of 1:10000.

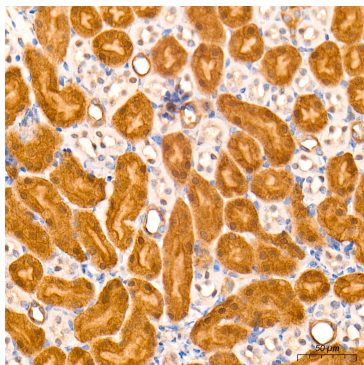


Western blot analysis of lysates from wild type (WT) and MKL1 knockout (KO) 293T cells using [KO Validated] MKL1 Rabbit mAb (A28574) at 1:10000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45 s.

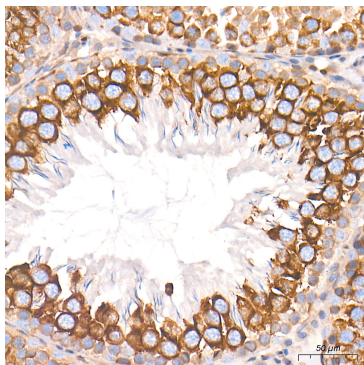


Western blot analysis of lysates from HeLa cells using [KO Validated] MKL1 Rabbit mAb (A28574) at 1:50000 dilution incubated at room temperature for 1.5 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90 s.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using [KO Validated] MKL1 Rabbit mAb (A28574) at a dilution of 1:500 (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 testis tissue using [KO Validated] MKL1 Rabbit mAb (A28574) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.