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[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

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.

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)a sequential dilution method is strongly recommended to ensure measurement accuracy.

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℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact

400-999-6126

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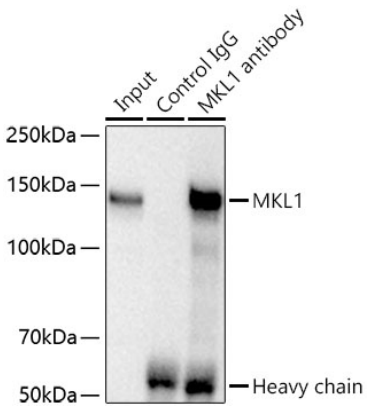
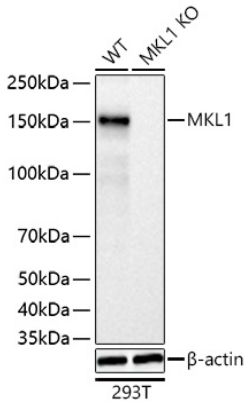
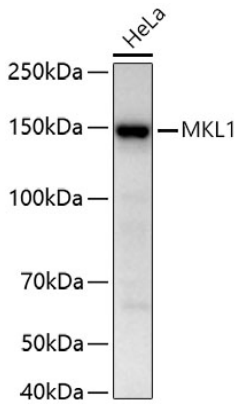
Validation Data



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.

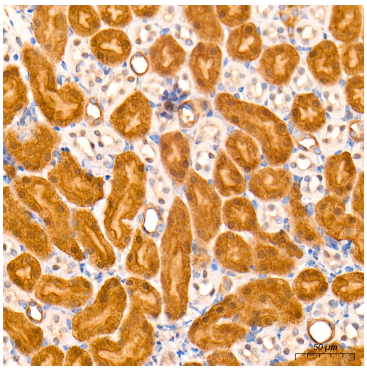


Western blot analysis of lysates from wild type (WT) and MKL1 knockout (KO) 293T cells using [KO Validated] MKL1 Rabbit mAb (A28574) at 1:10000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.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

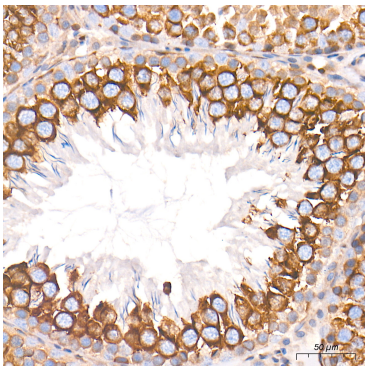


Western blot analysis of lysates from HeLa cells using [KO Validated] MKL1 Rabbit mAb (A28574) at 1:50000 dilution incubated at room temperature for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 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.

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