

[KD Validated] FOXO1 Rabbit mAb

Catalog No.: A29238 **Recombinant**

Basic Information

Observed MW

80 kDa

Calculated MW

70 kDa

Category

Primary antibody

Applications

WB,ChIP,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC81510

Background

Enables several functions, including DNA binding activity; DNA-binding transcription factor activity, RNA polymerase II-specific; and promoter-specific chromatin binding activity. Involved in several processes, including cellular response to nitric oxide; negative regulation of fat cell differentiation; and negative regulation of insulin secretion. Acts upstream of or within several processes, including insulin receptor signaling pathway; negative regulation of canonical Wnt signaling pathway; and positive regulation of biosynthetic process. Located in cytoplasm. Is active in nucleus. Is expressed in several structures, including alimentary system; brain; cardiovascular system; genitourinary system; and sensory organ. Human ortholog(s) of this gene implicated in alveolar rhabdomyosarcoma. Orthologous to human FOXO1 (forkhead box O1).

Recommended Dilutions

WB 1:2000 - 1:5000

ChIP 0.8 µg antibody for 10 µg - 15 µg of Chromatin

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

56458

Swiss Prot

Q9R1E0

Immunogen

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

Synonyms

Afxh; FKHR; Fkhr1; Foxo1a

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.

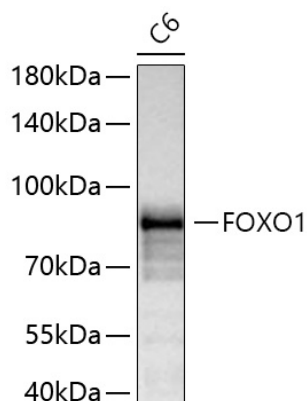
Contact

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Validation Data



Western blot analysis of lysates from C6 cells using [KD Validated] FOXO1 Rabbit mAb (A29238) at 1:5000 dilution incubated overnight at 4°C.

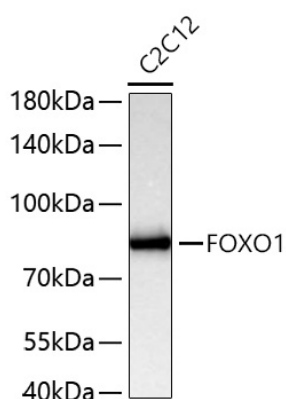
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 5 s.



Western blot analysis of lysates from C2C12 cells using [KD Validated] FOXO1 Rabbit mAb (A29238) at 1:5000 dilution incubated overnight at 4°C.

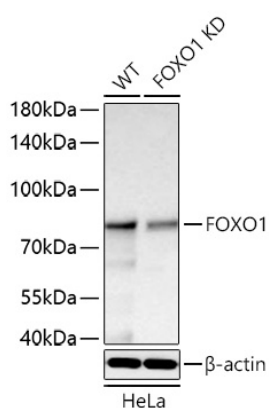
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60 s.



Western blot analysis of lysates from wild type (WT) and FOXO1 knockdown (KD) HeLa cells using [KD Validated] FOXO1 Rabbit mAb (A29238) at 1:5000 dilution incubated overnight at 4°C.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

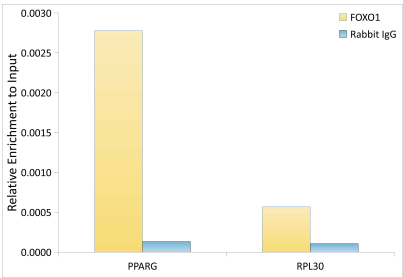
Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90 s.

Validation Data



Chromatin immunoprecipitation was performed with 15 µg of cross-linked chromatin from HeLa cells, using 0.8 µg of [KD Validated] FOXO1 Rabbit mAb (A29238) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.