[KD Validated] FOXO1 Rabbit mAb

Catalog NO.: A29238 Recombinant

Basic Information

Observed MW
80 kDa

Calculated MW
70 kDa

Category
Monoclonal Antibodies

Applications
WB, ChIP, ELISA

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

Clone 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 (⩾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

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

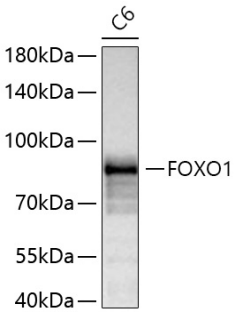
Source
Rabbit

Isotype
IgG

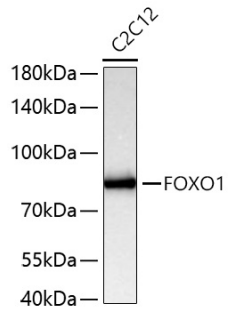
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

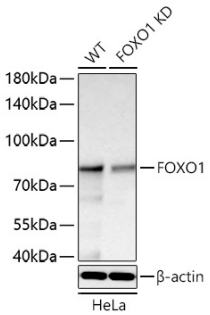
Validation Data



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.

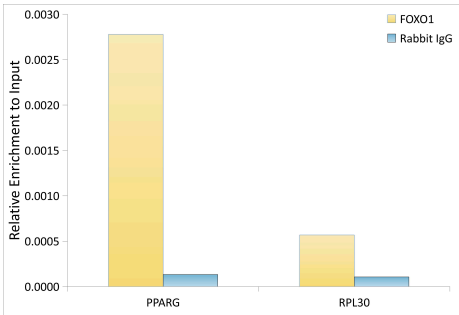
Lysates/proteins: 25 µg per lane.

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.

For research use only. Not for therapeutic or diagnostic purposes.

Please visit **https://abclonal.com** for a complete list of recommended products.