

[KD Validated] FOXO1 Rabbit PolymAb®

Catalog No.: A28964PM

Basic Information

Observed MW

80 kDa

Calculated MW

70 kDa

Category

Primary antibody

Applications

WB,IP,IF/ICC,IHC-P,ChIP,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in myogenic growth and differentiation. Translocation of this gene with PAX3 has been associated with alveolar rhabdomyosarcoma.

Recommended Dilutions

WB 1: 5000-1: 20000

IP 0.5 µg - 4 µg antibody for
200 µg - 600 µg extracts of
whole cells

IF/ICC 1: 200 - 1: 600

IHC-P 1: 500 - 1: 2000

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

2308

Swiss Prot

Q12778

Immunogen

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

Synonyms

FKH1; FKHR; FOXO1

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

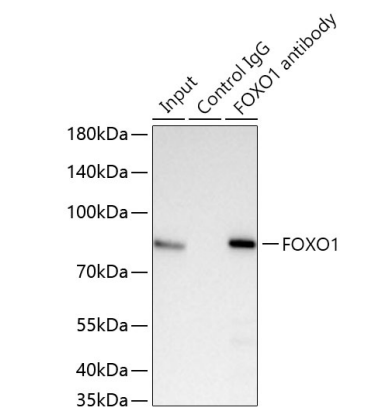
Contact

☎ | 400-999-6126

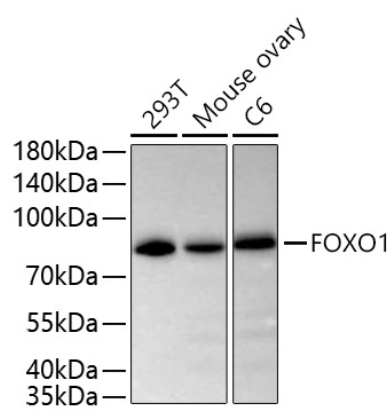
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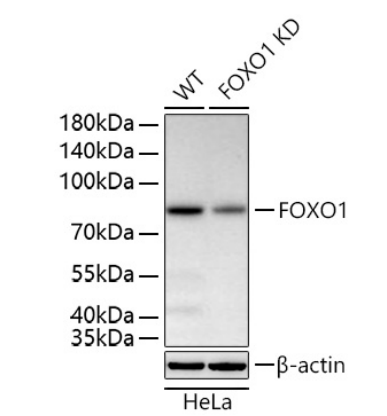
Validation Data



Immunoprecipitation of FOXO1 from 600 µg extracts of C6 cells was performed using 2 µg of [KD Validated] FOXO1 Rabbit PolymAb® (A28964PM). 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 [KD Validated] FOXO1 Rabbit PolymAb® (A28964PM) at a dilution of 1:4000.

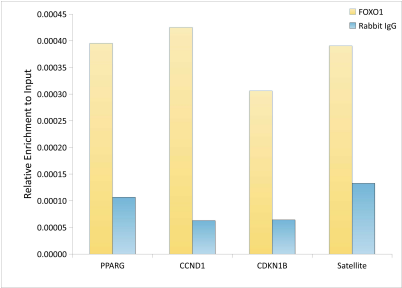


Western blot analysis of various lysates using [KD Validated] FOXO1 Rabbit PolymAb® (A28964PM) at 1:10000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.

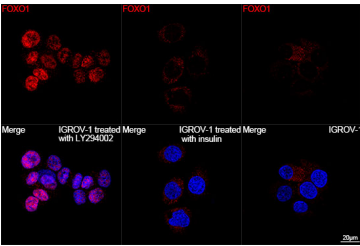


Western blot analysis of lysates from HeLa cells using [KD Validated] FOXO1 Rabbit PolymAb® (A28964PM) at 1:10000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.

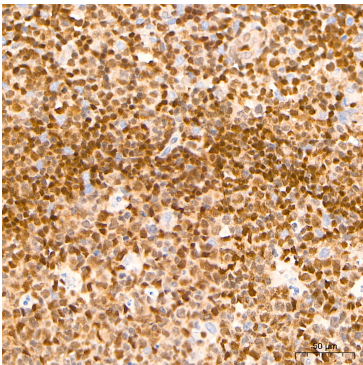
Validation Data



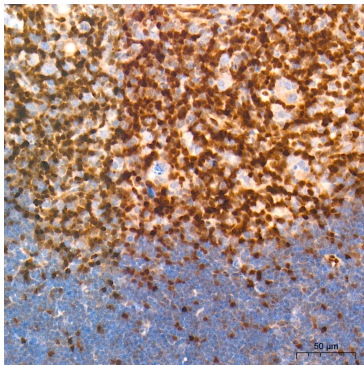
Chromatin immunoprecipitation was performed with 15 µg of cross-linked chromatin from HeLa cells, using 0.8 µg of [KD Validated] FOXO1 Rabbit PolymAb® (A28964PM) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.



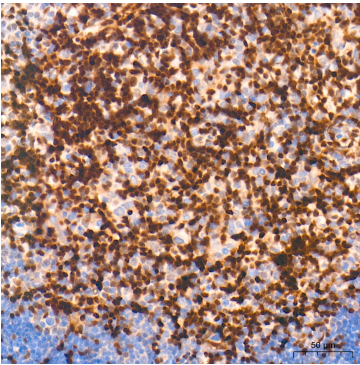
Confocal imaging of IGROV-1 cells treated with LY294002, IGROV-1 cells treated with insulin, and untreated IGROV-1 cells using [KD Validated] FOXO1 Rabbit PolymAb® (A28964PM, dilution 1:500) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using [KD Validated] FOXO1 Rabbit PolymAb® (A28964PM) at a dilution of 1:1000 (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 Mouse thymus tissue using [KD Validated] FOXO1 Rabbit PolymAb® (A28964PM) at a dilution of 1:1000 (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 thymus tissue using [KD Validated] FOXO1 Rabbit PolymAb® (A28964PM) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.