FOXO3A Rabbit mAb

Catalog No.: A29347

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Basic Information

Observed MW
82-97 kDa

Calculated MW
71 kDa/48 kDa

Category
Monoclonal Antibodies

Applications
WB, IP, IHC-P, ELISA

Cross Reactivity
Human, Mouse

Clone No.
ARC3594

Background

This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. This gene likely functions as a trigger for apoptosis through expression of genes necessary for cell death. Translocation of this gene with the MLL gene is associated with secondary acute leukemia. Alternatively spliced transcript variants encoding the same protein have been observed.

Recommended Dilutions

WB 1:5000 - 1:20000

IP
0.5μg-4μg antibody for 200μg-400μg extracts of whole cells

IHC-P 1:6000-1:30000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
2309

Swiss-Prot
O43524

Immunogen
This information is considered to be commercially sensitive.

Synonyms
FOXO2; AF6q21; FKHRL1; FOXO3A; FKHRL1P2

Contact

400-999-6126
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Product Information

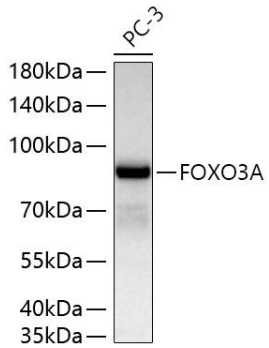
Source
Rabbit

Isotype
IgG

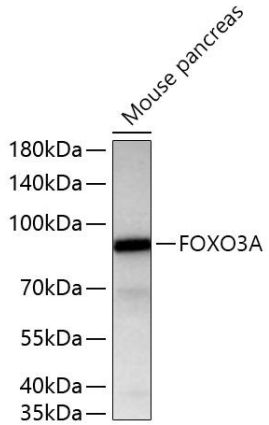
Purity
Affinity purification

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

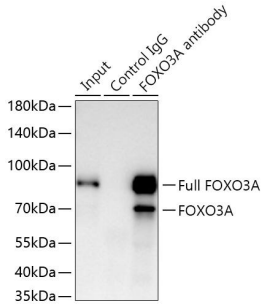
Validation Data



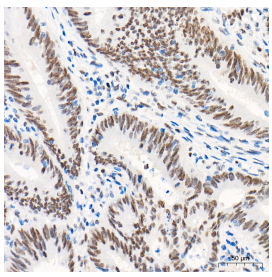
Western blot analysis of lysates from PC-3 cells using FOXO3A Rabbit mAb (A29347) at 1:20000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5 s.



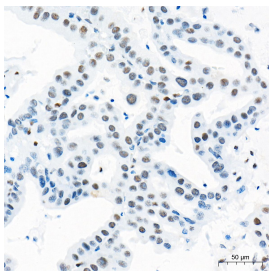
Western blot analysis of lysates from Mouse pancreas using FOXO3A Rabbit mAb (A29347) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5 s.



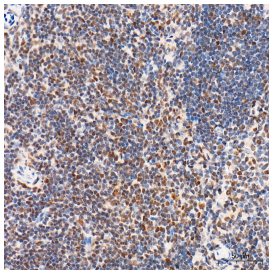
Immunoprecipitation of FOXO3A from 300 µg extracts of PC-3 cells was performed using 2 µg of FOXO3A Rabbit mAb (A29347). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using FOXO3A Rabbit mAb (A29347) at a dilution of 1:50000.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using FOXO3A Rabbit mAb (A29347) at a dilution of 1:12000 (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 Human lung cancer tissue using FOXO3A Rabbit mAb (A29347) at a dilution of 1:12000 (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 spleen tissue using FOXO3A Rabbit mAb (A29347) at a dilution of 1:12000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.