Leader in Biomolecular Solutions for Life Science

FOXO3A Rabbit pAb

Catalog No.: A0102

35 Publications

www.abclonal.com

Basic Information

Observed MW
80-90 kDa

Calculated MW
71 kDa

Category
Polyclonal Antibodies

Applications
WB, IF/ICC, IHC-P, ELISA

Cross Reactivity
Human, Mouse, Rat

Background

Enables DNA binding activity; DNA-binding transcription factor activity, RNA polymerase II-specific; and mitochondrial transcription factor activity. Involved in several processes, including mitochondrial transcription; positive regulation of muscle atrophy; and positive regulation of pri-miRNA transcription by RNA polymerase II. Acts upstream of or within several processes, including extrinsic apoptotic signaling pathway in absence of ligand; female gonad development; and neuronal stem cell population maintenance. Located in cytosol; mitochondrial outer membrane; and nucleus. Part of protein-containing complex. Colocalizes with mitochondrial matrix. Is expressed in several structures, including alimentary system; brain; early embryo; genitourinary system; and hemolymphoid system. Used to study dermoid cyst of ovary. Orthologous to human FOXO3 (forkhead box O3).

Recommended Dilutions

WB	1:500 - 1:5000
IF/ICC	1:50 - 1:200
IHC-P	1:50 - 1:200
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
56484

Swiss-Prot
Q9WVH4

Immunogen
This information is considered to be commercially sensitive.

Synonyms
Fkhr2; FKHRL1; Foxo3a; 1110048B16Rik; 2010203A17Rik; FOXO3A

Contact

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Product Information

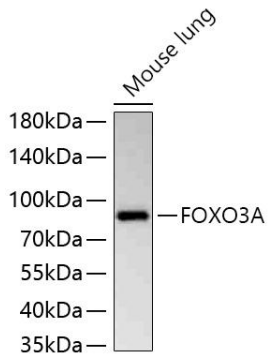
Source
Rabbit

Isotype
IgG

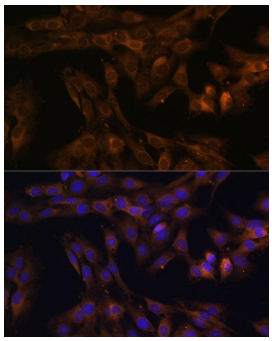
Purity
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

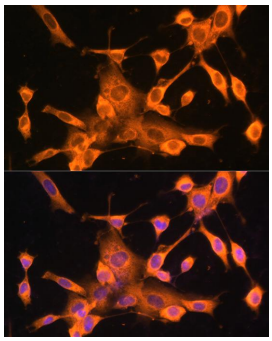
Validation Data



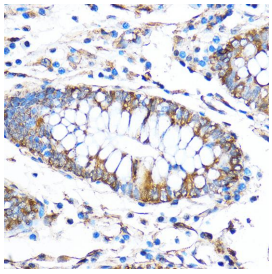
Western blot analysis of lysates from Mouse lung using FOXO3A Rabbit pAb (A0102) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.



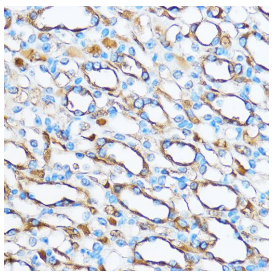
Immunofluorescence analysis of C6 cells using FOXO3A Rabbit pAb (A0102) at dilution of 100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using FOXO3A Rabbit pAb (A0102) at dilution of 100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Human colon using FOXO3A Rabbit pAb (A0102) at dilution of 1:50 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using FOXO3A Rabbit pAb (A0102) at dilution of 1:50 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.