Anti-FOXO3A Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P100004

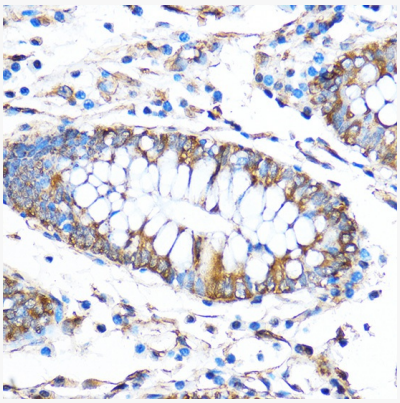
Product Information

Application	WB, IHC-P, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1000; IHC-P 1:50~1:200; IF 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 558-635 of mouse FOXO3A (NP_062714.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-FOXO3A Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

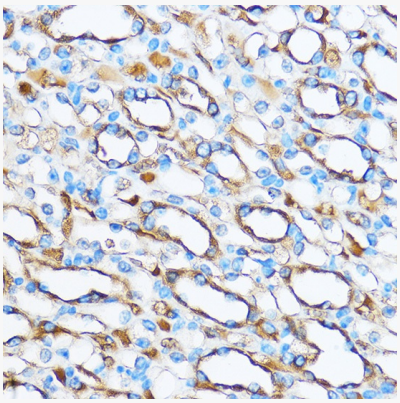
Protein Information

Synonyms	Fkhr2; FKHRL1; Foxo3a; 1110048B16Rik; 2010203A17Rik; FOXO3A.
Calculated MW	Calculated MW: 71 kDa; Observed MW: 80-90 kDa
Uniprot ID	Q9WVH4
Gene ID	56484
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).

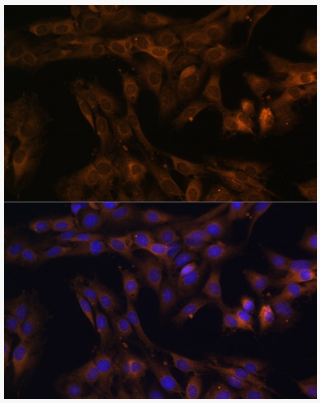
Validation Images



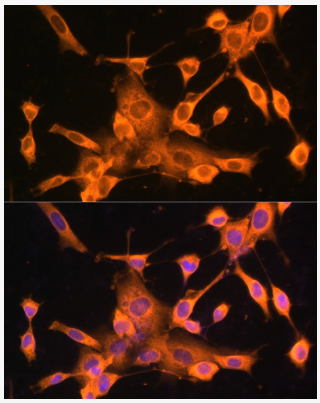
Immunohistochemistry analysis of paraffin-embedded Human colon using FOXO3A Rabbit pAb (P100004) at dilution of 1:50 (40× lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



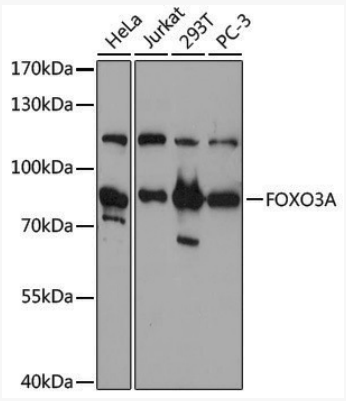
Immunohistochemistry analysis of paraffin-embedded Mouse kidney using FOXO3A Rabbit pAb (P100004) at dilution of 1:50 (40× lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of C6 cells using FOXO3A Rabbit pAb (P100004) at dilution of 100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using FOXO3A Rabbit pAb (P100004) at dilution of 100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of various lysates using FOXO3A Rabbit pAb (P100004) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 5s.