

Basic Information

Product Name	Anti-FOXO1 Antibody (Clone#CIA-6)	
Gene Name	FOXO1	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human FoxO1a	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	70 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200

Storage

12 months from date of receipt, -20°C as supplied.

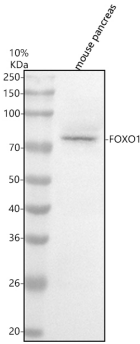
Background Information

Forkhead box protein O1, also known as FKHR or FOXO1A, is a protein that in humans is encoded by the FOXO1 gene. It is mapped to 13q14.11. This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. FOXO1 plays important roles in regulation of gluconeogenesis and glycogenolysis by insulin signaling, and is also central to the decision for a preadipocyte to commit to adipogenesis. This gene is primarily regulated through phosphorylation on multiple residues. Its transcriptional activity is dependent on its phosphorylation state. What's more, FOXO1 may play a role in myogenic growth and differentiation. Translocation of this gene with PAX3 has been associated with alveolar rhabdomyosarcoma.

Reference

Anti-FOXO1 Antibody (Clone#CIA-6)被引用在4文献中。

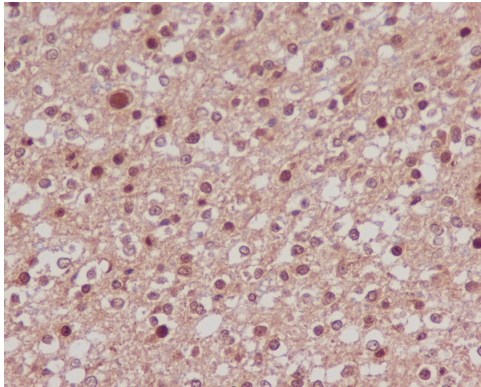
Selected Validation Data



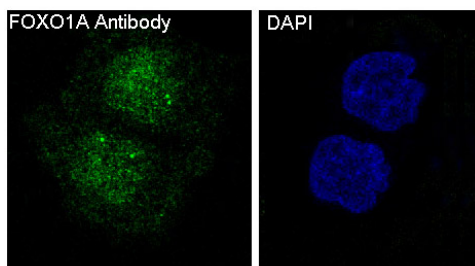
Western blot analysis of anti-FOXO1 antibody (BM4249). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: mouse pancreas tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-FOXO1 antigen affinity purified monoclonal antibody (BM4249) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for FOXO1 at approximately 80 kDa. The expected band size for FOXO1 is at 70 kDa.



Immunohistochemical analysis of paraffin-embedded human brain carcinoma, using FoxO1a Antibody.



Immunofluorescent analysis of HeLa cells, using FoxO1a Antibody .

Product datasheet

Anti-FOXO1 Antibody (Clone#CIA-6)

Catalog Number: **BM4249**

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BOSTER BIOLOGICAL TECHNOLOGY

Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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