Product datasheet

Anti-FOXE1 Antibody

Catalog Number: *A02831-5*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-FOXE1 Antibody
Gene Name	FOXE1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human FOXE1 recombinant protein (Position: M1-M373).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	38 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA):1:100-1000

Storage

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

Background Information

Forkhead box protein E1 is a protein that in humans is encoded by the FOXE1 gene. It is mapped to 9q22.33. This intronless gene encodes a protein that belongs to the forkhead family of transcription factors. Members of this family contain a conserved 100-amino acid DNA-binding 'forkhead' domain. The encoded protein functions as a thyroid transcription factor that plays a role in thyroid morphogenesis. Mutations in this gene are associated with the Bamforth-Lazarus syndrome,and with susceptibility to nonmedullary thyroid cancer-4.

Reference

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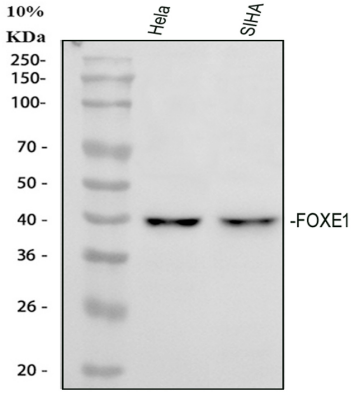
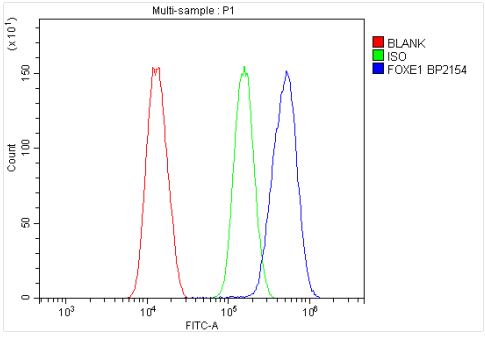
Anti-FOXE1 Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of FOXE1 using anti-FOXE1 antibody (A02831-5). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: human SiHa whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-FOXE1 antigen affinity purified polyclonal antibody (A02831-5) 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 FOXE1 at approximately 38 kDa. The expected band size for FOXE1 is at 38 kDa.



Flow Cytometry analysis of SiHa cells using anti-FOXE1 antibody (A02831-5).
Overlay histogram showing SiHa cells stained with A02831-5 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-FOXE1 Antibody (A02831-5) at 1:100 dilution for 30 min at 20°C. Fluoro488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.