

Anti-FOXO1 Polyclonal Antibody

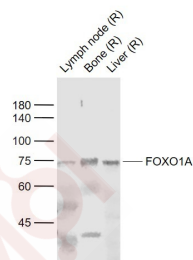
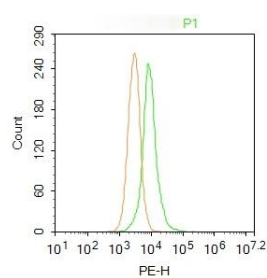
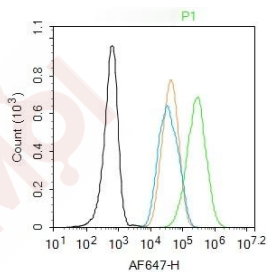
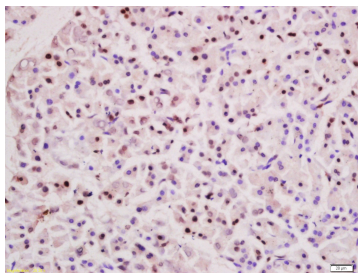
Product Details

Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse,Chicken,Dog,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 70 kDa. Actual: 75 kDa.
Purification:	Protein A purified

Applications

- 1. Tissue/cell:** rat pancreas tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: TBS buffer (0.01M, pH7.4), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-FOXO1 Polyclonal Antibody, Unconjugated (TMAB-00707) 1:100, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.
- 2. Blank control:** HepG2. Primary Antibody (green line): Rabbit Anti-FOXO1 antibody (TMAB-00707)
Dilution: 1 µg/10⁶ cells;
Isotype Control Antibody (orange line): Rabbit IgG.
Secondary Antibody: Goat anti-rabbit IgG-AF647
Dilution: 1 µg/test.
Protocol
The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.
- 3. Blank control:** HepG2. Primary Antibody (green line): Rabbit Anti-FOXO1 antibody (TMAB-00707)
Dilution: 1 µg/10⁶ cells;
Isotype Control Antibody (orange line): Rabbit IgG.
Secondary Antibody: Goat anti-rabbit IgG-PE
Dilution: 1 µg/test.
Protocol
The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.
- 4. Sample:**
Lane 1: LymphNode (Rat) Lysate at 40 µg
Lane 2: Bone (Rat) Lysate at 40 µg
Lane 3: Liver (Rat) Lysate at 40 µg
Primary: Anti-FOXO1A (TMAB-00707) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 78 kDa
Observed band size: 75 kDa

Verified Activity:



Application: FCM,IF,IHC-Fr,IHC-P,WB

Recommended FCM=2 µg/Test; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; WB=1:500-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human FOXP01

Antigen Species: Human

Gene ID: 2308

Uniprot ID: Q12778

Synonyms: Forkhead box protein O1;FKHR;Forkhead;FKH 1;Fkhr1;FKH1;AI876417;Afxh;FOXO1A;Forkhead box protein O1A;Forkhead, Drosophila, homolog of, in rhabdomyosarcoma;Forkhead (Drosophila) homolog 1(rhabdomyosarcoma);Forkhead box O1;Forkhead in rhabdomyosarcoma

Biology Area: Coactivators and repressors,Co-activators/co-repressors,FOXO,Obesity,Neurogenesis,Co-

activators/co-repressors

Research Background

This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in myogenic growth and differentiation. Translocation of this gene with PAX3 has been associated with alveolar rhabdomyosarcoma. [provided by RefSeq].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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