

Human/Mouse FoxJ3 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF5786

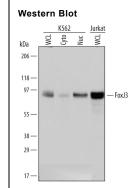
DESCRIPTION			
Species Reactivity	Human/Mouse		
Specificity	Detects human and mouse FoxJ3 in Western blots.		
Source	Polyclonal Goat IgG		
Purification	Antigen Affinity-purified		
Immunogen	E. coli-derived recombinant human FoxJ3 Met375-Tyr552 Accession # NP_055762		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.		

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

DATA



Detection of Human FoxJ3 by Western Blot. Western blot shows lysates of K562 human chronic myelogenous leukemia cell line and Jurkat human acute T cell leukemia cell line. Gels were loaded with 30 µg of whole cell lysate (WCL), 20 µg of cytoplasmic (Cyto), and 10 µg of nuclear extracts (Nuc). PVDF membrane was probed with 1 µg/mL Goat Anti-Human/Mouse FoxJ3 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5786) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band for FoxJ3 was detected at approximately 80 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS.

ShippingThe product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

FoxJ3 (Forkhead box protein J3) is a 69 kDa (predicted) nuclear protein that is a Class 1 member of the Fox family of transcription factors. It is expressed in embryonic neuroectoderm, neural crest and somitic condensations, and is suggested to participate in terminal tissue differentiation. Human FoxJ3 is 622 amino acids (aa) in length. It contains one forkhead DNA binding region (aa 77-168) plus a phosphorylation site at Ser223. There are two potential splice variants. One shows a deletion of aa 177-210, while a second shows a 12 aa substitution for aa 177-622. Over aa 375-552, human FoxJ3 shares 93% aa identity with mouse FoxJ3.

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