Rabbit anti-Human, Rat FOXJ1 Polyclonal Antibody | anti-FOXJ1 antibody

Anti-FOXJ1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125736	**Rabbit**	**Human, Rat**	**ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

FOXJ1; Polyclonal Antibody; Anti-FOXJ1 Antibody; FKHL13; HFH4; Forkhead box protein J1; Forkhead-related protein FKHL13; Hepatocyte nuclear factor 3 forkhead homolog 4; HFH-4; forkhead box J1; anti-FOXJ1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for FOXJ1 detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl and 0.2mg Na2HPO4.
Applicable Applications for anti-FOXJ1 antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human FOXJ1 recombinant protein (Position: D27-A405).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

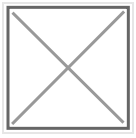
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FCM/FACS (Flow Cytometry)
Figure 4. Flow Cytometry analysis of HepG2 cells using anti-FOXJ1 antibody (AAA125736).Overlay histogram showing HepG2 cells stained with AAA125736 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-FOXJ1 Antibody (AAA125736, 1μg/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10μg/1x106 cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1μg/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)
Figure 3. IF analysis of FOXJ1 using anti- FOXJ1 antibody (AAA125736).FOXJ1 was detected in immunocytochemical section of CACO-2 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5μg/mL rabbit anti- FOXJ1 Antibody (AAA125736) overnight at 4 degree C. DyLight®488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IHC (Immunohistochemistry)
Figure 2. IHC analysis of FOXJ1 using anti-FOXJ1 antibody (AAA125736).FOXJ1 was detected in paraffin-embedded section of rat ovary tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-FOXJ1 Antibody (AAA125736) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-FOXJ1 antibody	Forkhead box protein J1 is a protein that in humans is encoded by the FOXJ1 gene. This gene encodes a member of the forkhead family of transcription factors. Similar genes in zebrafish and mouse have been shown to regulate the transcription of genes that control the production of motile cilia. The mouse ortholog also functions in the determination of left-right asymmetry. Polymorphisms in this gene are associated with systemic lupus erythematosus and allergic rhinitis.
References	1. Avraham, K. B., Fletcher, C., Overdier, D. G., Clevidence, D. E., Lai, E., Costa, R. H., Jenkins, N. A., Copeland, N. G. Murine chromosomal location of eight members of the hepatocyte nuclear factor 3/fork head winged helix family of transcription factors. Genomics 25: 388-393, 1995. 2. Chen, J., Knowles, H. J., Hebert, J. L., Hackett, B. P. Mutation of the mouse hepatocyte nuclear factor/forkhead homologue 4 gene results in an absence of cilia and random left-right asymmetry. J. Clin. Invest. 102: 1077-1082, 1998. 3. Li, C. -S., Chae, S. -C., Lee, J. -H., Zhang, Q., Chung, H. -T. Identification of single nucleotide polymorphisms in FOXJ1 and their association with allergic rhinitis. J. Hum. Genet. 51: 292-297, 2006.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50301236
NCBI GeneID	2302
NCBI Accession #	NP_001445.2
NCBI GenBank Nucleotide #	NM_001454.3
UniProt Accession #	Q92949; O00630
Molecular Weight	45,247 Da
NCBI Official Full Name	forkhead box protein J1
NCBI Official Synonym Full Names	forkhead box J1
NCBI Official Symbol	FOXJ1
NCBI Official Synonym Symbols	HFH4; HFH-4; FKHL13
NCBI Protein Information	forkhead box protein J1; forkhead-like 13; fork head homologue 4; forkhead-related protein FKHL13; forkhead transcription factor HFH-4; hepatocyte nuclear factor 3 forkhead homolog 4
UniProt Protein Name	Forkhead box protein J1
UniProt Gene Name	**FOXJ1**
UniProt Synonym Gene Names	FKHL13; HFH4; HFH-4
UniProt Entry Name	FOXJ1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.