

## FOX11 / Forkhead Box Protein I1 (Transcription Factor) Antibody

Mouse Monoclonal Antibody [Clone PCR-P-FOX11-1F8]

Catalog No	Format	Size
2299-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2299-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2299-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

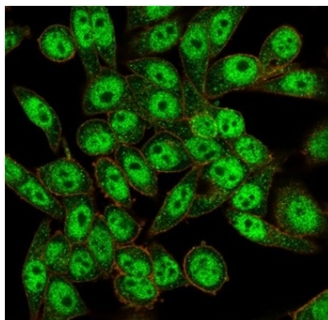
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

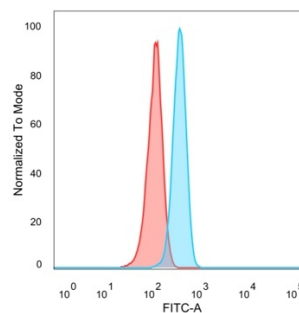
<b>Clone</b>	PCR-P-FOX11-1F8
<b>Gene Name</b>	FOX11
<b>Immunogen</b>	Recombinant fragment (around aa104-258) of human FOX11 protein (exact sequence is proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	41kDa
<b>Cellular Localization</b>	Nucleus
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	HeLa or U87 cells. Ubiquitous tissue expression.

\*Optimal dilution for a specific application should be determined.

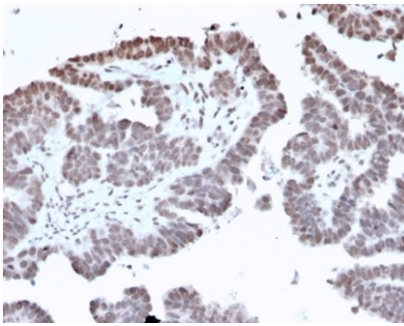
### Product Images for FOX11 / Forkhead Box Protein I1 (Transcription Factor) Antibody



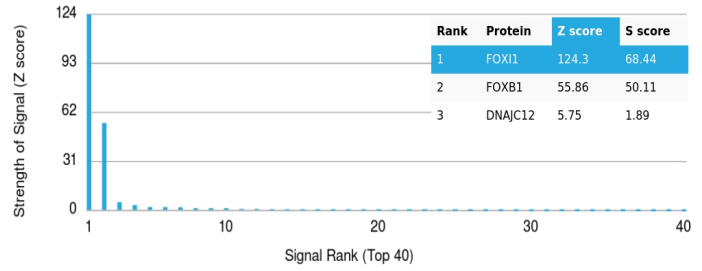
Immunofluorescence analysis of PFA-fixed HeLa cells. FOX11 Mouse Monoclonal Antibody (PCR-P-FOX11-1F8) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).



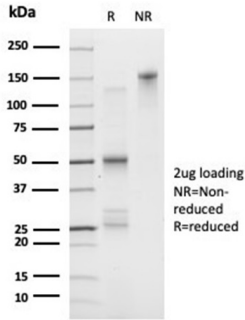
Flow cytometric analysis of PFA-fixed HeLa cells. FOX11 Mouse Monoclonal Antibody (PCR-P-FOX11-1F8) followed by goat anti-mouse IgG-CF488 (blue), unstained cells (red).



Formalin-fixed, paraffin-embedded human prostate stained. FOXI1 Mouse Monoclonal Antibody (PCRP-FOXI1-1F8) at 2ug/ml. HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



Analysis of HuProt™ Protein Array (21,000+ full-length human proteins) with FOXI1 Mouse Monoclonal Antibody (PCRP-FOXI1-1F8). Z-score: Signal strength (in SD above the mean) of antibody binding to each protein. S-score: Difference in Z-scores between the top target and the next best hit, indicating relative specificity. An antibody is considered specific if  $S \geq 2.5$ . Example: Binding to protein X ( $Z = 43$ ) vs protein Y ( $Z = 14$ ) ?  $S = 29$ .



SDS-PAGE Analysis of Purified FOXI1 Mouse Monoclonal Antibody (PCRP-FOXI1-1F8). Confirmation of Purity and Integrity of Antibody.

### Specificity & Comments

FOXI1 (forkhead box I1), also known as HFH3 (HNF-3/forkhead homolog 3), FKHL10 or FREAC6 (forkhead related transcription factor 6), is a member of the FOX family of transcription factors. The FOX family is a large group of proteins (consisting of at least 43 members) that share a common DNA binding domain termed winged-helix or forkhead domain. FOX transcription factors play important roles in development, differentiation, aging and hormone responsiveness. Localizing to the nucleus, FOXI1 functions as a transcription factor. Mice with mutated forms of FOXI1 show defects in ear development, implying that FOXI1 plays a significant role in the developmental pathway of ears and, in particular, the cochlea and vestibulum. FOXI1 is an upstream transcription regulator of Pendrin (a protein associated with deafness), suggesting a role for FOXI1 in the pathogenesis of Pendred syndrome (PS), a condition of nonsyndromic hearing loss and enlarged vestibular aqueduct (EVA).

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Transcription Factors