

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

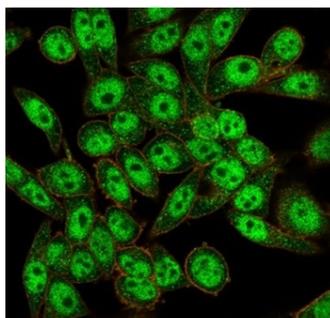
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling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

Product Details

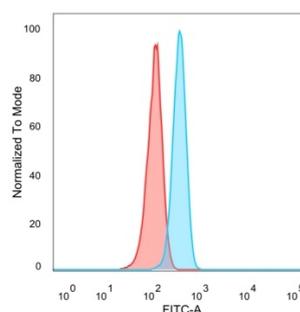
Clone	PCR-P-FOX11-1F8
Gene Name	FOX11
Immunogen	Recombinant fragment (around aa104-258) of human FOX11 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	41kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive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

*Optimal dilution for a specific application should be determined.

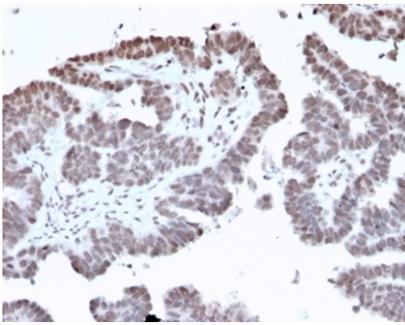
Product Images for FOX11 / Forkhead Box Protein I1 (Transcription Factor) Antibody



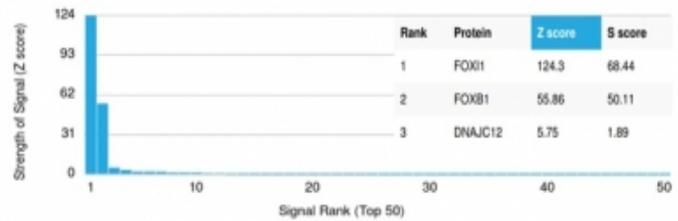
Immunofluorescence analysis of PFA-fixed HeLa cells. FOX11 Mouse Monoclonal Antibody (PCR-P-FOX11-1F8) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).



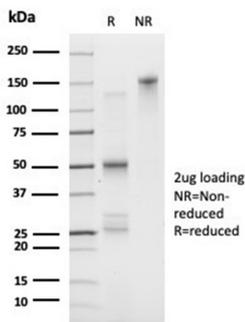
Flow cytometric analysis of PFA-fixed HeLa cells. FOX11 Mouse Monoclonal Antibody (PCR-P-FOX11-1F8) followed by goat anti-mouse IgG-CF488 (blue), unstained cells (red).



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 Protein Array containing more than 19,000 full-length human proteins using FOXI1 Mouse Monoclonal Antibody (PCRP-FOXI1-1F8). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 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 HNF3 (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