

## FOXQ1 Antibody

Mouse Monoclonal Antibody [Clone PCR-P-FOXQ1-2D2]

Catalog No	Format	Size
94234-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
94234-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
94234-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

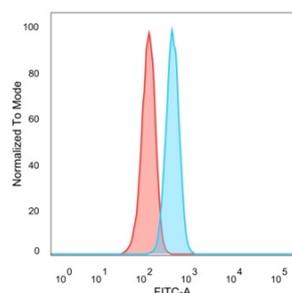
Applications	Tested Dilution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Western Blot (WB)	2-4ug/ml	

### Product Details

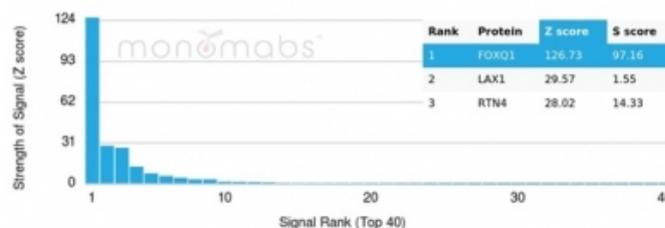
<b>Clone</b>	PCR-P-FOXQ1-2D2
<b>Gene Name</b>	FOXQ1
<b>Immunogen</b>	Recombinant full-length human FOXQ1 protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1
<b>Mol. Weight of Antigen</b>	41.5kDa
<b>Cellular Localization</b>	Nucleus
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	HeLa or K562 cells.

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

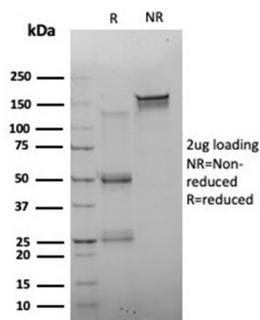
### Product Images for FOXQ1 Antibody



Flow cytometric analysis of PFA-fixed HeLa cells. FOXQ1 Mouse Monoclonal Antibody (PCR-P-FOXQ1-2D2) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).



Analysis of Protein Array containing more than 19,000 full-length human proteins using FOXQ1 Mouse Monoclonal Antibody (PCR-P-FOXQ1-2D2). 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 be 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. Purified FOXQ1 Mouse Monoclonal Antibody (PCRP-FOXQ1-2D2). Confirmation of Purity and Integrity of Antibody.

### Specificity & Comments

DNA replication is initiated by the binding of initiation factors to the origin of replication. Nucleosomes inhibit access to the replication machinery at these origin sequences. Nucleosome remodeling factors increase the accessibility of nucleosomal DNA to transcriptional regulators. CHRAC15 and CHRAC17 are subunits of the nucleosomal remodeling factor CHRAC (chromatin accessibility complex), which increases the accessibility of nucleosomal DNA in an ATP-dependent manner. Unlike other known chromatin remodeling factors, CHRAC also functions during chromatin assembly by using ATP to convert irregular chromatin into a regular array of nucleosomes with even spacing. This conversion process occurs when CHRAC organizes randomly deposited histones into a regularly spaced array. In the presence of CHRAC, the nucleosomal ATPase ISWI catalyzes several ATP-dependent transitions of chromatin structure.

### 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 A/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

Endothelial Cell Marker, Nuclear Marker