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# FOXC2 Antibody (Center S174)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5750c

## Product Information

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|---|---|
| **Application** | WB, IHC-P, FC, E |
| **Primary Accession** | Q99958 |
| **Other Accession** | NP_005242 |
| **Reactivity** | Human |
| **Predicted** | Mouse, Rat, Bovine, Canine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB20052 |
| **Calculated MW** | 53719 |
| **Antigen Region** | 159-186 |

## Additional Information

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| **Gene ID** | 2303 |
| **Other Names** | Forkhead box protein C2, Forkhead-related protein FKHL14, Mesenchyme fork head protein 1, MFH-1 protein, Transcription factor FKH-14, FOXC2, FKHL14, MFH1 |
| **Target/Specificity** | This FOXC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 159-186 amino acids from the Central region of human FOXC2. |
| **Dilution** | WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | FOXC2 Antibody (Center S174) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|---|---|
| **Name** | FOXC2 |

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|---|---|
| **Synonyms** | FKHL14, MFH1 |
| **Function** | Transcriptional activator. |
| **Cellular Location** | Nucleus {ECO:0000255\|PROSITE-ProRule:PRU00089, ECO:0000269\|PubMed:23878394, ECO:0000269\|PubMed:28179430} |

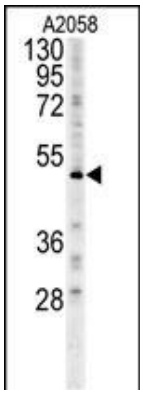
## Background

FOXC2 belongs to the forkhead family of transcription factors which is characterized by a distinct DNA-binding forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in the development of mesenchymal tissues.

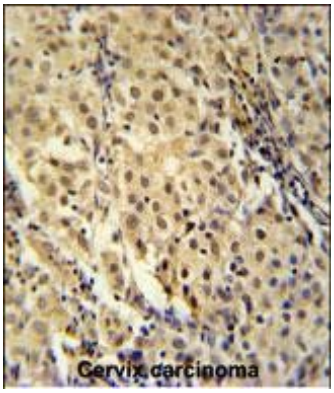
## References

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Mangion, J., et al. Am. J. Hum. Genet. 65(2):427-432(1999)
Miura, N., et al. Genomics 41(3):489-492(1997)
Kaestner, K.H., et al. Development 122(6):1751-1758(1996)

## Images

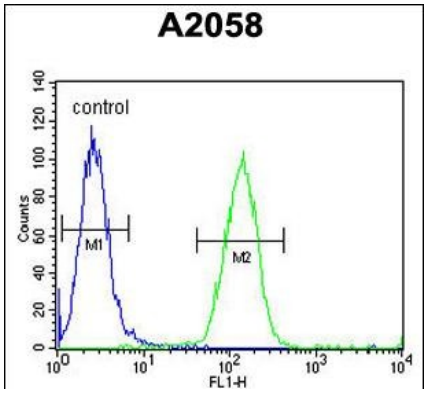



FOXC2 Antibody (Center S174) (Cat. #AP5750c) western blot analysis in A2058 cell line lysates (15ug/lane).This demonstrates the FOXC2 antibody detected the FOXC2 protein (arrow).




FOXC2 Antibody (Center S174) (Cat. #AP5750c) immunohistochemistry analysis in formalin fixed and paraffin embedded human cervix carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the FOXC2 Antibody (Center S174) for immunohistochemistry. Clinical relevance has not been evaluated.

FOXC2 Antibody (Center S174) (Cat. #AP5750c) flow cytometric analysis of A2058 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.




Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.