



# Mouse anti-Human FOXC1 monoclonal antibody, clone 5E22 (CABT-B10280)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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| <b>Immunogen</b>             | FOXC1 (NP_001444, 464 a.a. ~ 553 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Isotype</b>               | IgG2b  |
| <b>Source/Host</b>           | Mouse  |
| <b>Species Reactivity</b>    | Human  |
| <b>Clone</b>                 | 5E22   |
| <b>Conjugate</b>             | Unconjugated   |
| <b>Applications</b>          | WB,ELISA   |
| <b>Sequence Similarities</b> | AAHQGRLTSWYLNQAGGDLGHLASAAAAAAGYPGQQQNFHHSVREFESQRIGLNNSPVN<br>GNSSCQMAFPSSQSLYRTSGAFVYDCSKF*                          |
| <b>Format</b>                | Liquid   |
| <b>Size</b>                  | 100 µg   |
| <b>Buffer</b>                | In 1x PBS, pH 7.2  |
| <b>Storage</b>               | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.   |

## BACKGROUND

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| <b>Introduction</b> | This gene 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 |
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determined; however, it has been shown to play a role in the regulation of embryonic and ocular development. Mutations in this gene cause various glaucoma phenotypes including primary congenital glaucoma, autosomal dominant iridogoniodysgenesis anomaly, and Axenfeld-Rieger anomaly. [provided by RefSeq, Jul 2008]

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| <b>Keywords</b> | FOXC1; forkhead box C1; ARA; IGDA; IHG1; FKHL7; IRID1; RIEG3; FREAC3; FREAC-3; forkhead box protein C1; myeloid factor-delta; forkhead box C1 protein; forkhead-related activator 3; forkhead-related protein FKHL7; forkhead, drosophila, homolog-like 7; forkhead-related transcription factor 3; forkhead/winged helix-like transcription factor 7; |
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## GENE INFORMATION

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| <b>Entrez Gene ID</b> | <a href="#">2296</a> |
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| <b>UniProt ID</b> | <a href="#">Q12948</a> |
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| <b>Pathway</b> | Heart Development, organism-specific biosystem |
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| <b>Function</b> | DNA bending activity; DNA binding; chromatin DNA binding; double-stranded DNA binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific enhancer binding RNA polymerase II transcription factor activity; transcription factor binding; transcription regulatory region DNA binding |
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