



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

Immunogen	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.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	5E22
Conjugate	Unconjugated
Applications	WB, ELISA
Sequence Similarities	AAHQGRLTSWYLNQAGGDLGHLASAAAAAAAAGYPGQQQNFHSVREFESQRIGLNNSPVN GNSSCQMAFPSSQSLYRTSGAFVYDCSKF*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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
---------------------	---

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]

Keywords	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;
-----------------	--

GENE INFORMATION

Entrez Gene ID	2296
UniProt ID	Q12948
Pathway	Heart Development, organism-specific biosystem
Function	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
